Library
School of Agriculture
Patterson Bldg. 16802
University Park, Pa. 7

Lancaster Farming

VOL. 17 NO. 1 | Lancaster Farming, Saturday, November 27, 1971 | $2.00 Per Year

Farm Calendar

Sunday, November 28

1971 National 4-H Congress, Conrad Hilton Hotel, Chicago, November 28 - December 2.

Monday, November 29

Deer Season, bucks only, November 29 - December 11.

Tuesday, November 30

7:30 p.m. — Ephrata Young Farmers Dairy Herd Management course, vocational agriculture classroom, Ephrata Area High School

Wednesday, December 1

7:30 p.m. — Lancaster County Soil and Water Conservation District meeting, Farm and Home Center.

Thursday, December 2

4:30 p.m. — Lancaster County Vocational Agriculture Teachers Association meeting, Mount Joy Vo-Tech School.

(Continued on Page 4)

In This Issue

Editor's Note: Mushrooms are a big and growing industry in Southeastern Pennsylvania. Mrs. Charles G. McSparran, Lancaster Farming's farm feature writer, this week looks at the mushroom industry. On pages 14 and 15, she describes it as an important industry, looks at it through the eyes of a Kirkwood woman who has produced mushrooms for many years, describes the delicate procedures of a family mushroom spawn lab, and presents many outstanding mushroom recipes. See this special report on mushrooms.

Classified Ads	26,27
Eastern Milk Banquet	8
Editorial Page	10
Market Reports	2,3,4
Pa. Holstein Assn.	13
Sale Register	23
Women's News	20,21,22

Also see special article on the Futures Market on page 18 and other local and area farm stories throughout.

New Lancaster County FFA officers chosen at a meeting this week are: left to right, seated, Wayne Kreider, vice president; Greg Landis, president, and Mike Martin, secretary. Standing, Gerald Musser, treasurer; John Miller, sentinel; Jim Gruber, chaplain, and Jerry Diller, reporter.

Greg Landis Is Lancaster Co. FFA President

Greg Landis, of Penn Manor High School, was named president of the Lancaster County FFA Monday night at Warwick High School.

He succeeds Nelson Martin, East Earl RD1.

Other new county officers named are: Wayne Kreider, vice president, from Solanco; Mike Martin, secretary, Garden Spot High School; Gerald Musser, treasurer, Ephrata; John Miller, sentinel, Manheim Central; Jim Gruber, chaplain, Elizabethtown, and Jerry Diller, reporter, Lampeter-Strasburg.

In other action, the county FFA chose 40 members to receive the County Red Rose Farmer degree The 40 are:

Elizabethtown — Ronald Gruber and James Gruber

Ephrata — Russell Kline, Gerald Musser, Roy Fasnacht, Dale Martin, Richard Bollinger, and Marlin Smoker.

Gardon Spot — Michael Martin, Delmon L. Weaver, Gerald Weaver, Lynn Groff, Lamar Long, Jim Zimmerman, Kenneth Burkhart, and D. Greg Martin

Lampeter-Strasburg — Jerry Diller.

Manheim Central — Don Wenger, Gary Buchen, John Miller, Mervin Groff, Richard Kauffman, Douglas Rohrer.

Penn Manor — Glenn Long, Don Thomas, David Hess, Clifford Charles, Parke Hess, and Greg Landis.

Pequea Valley — Jerri Palmer.

Solanco — Dave Bitler, Vern Carter, M. Ray Brubaker, C. Thomas Perry, David Aument, Kenneth G Reinhart, Wayne Kreider, William Krantz, William Hershey and Mike Roland.

Southeastern Pa. Ayrshire Club Is Formed

Two county Ayrshire Associations have merged to form the Southeastern Pennsylvania Ayrshire club and officers for the new club have been elected.

The two clubs which merged at a joint meeting at the Lancaster Production Credit last Friday were: the Lancaster County Ayrshire Breeders Association and the Chester-Delaware Ayrshire Club

Elected president of the new regional breed organization was Milton Brubaker, Lititz

Brubaker has been active in the Ayrshire organization since he began his Ayrshire herd in 1934. Since then he has held practically every available office in the Lancaster County Association and has been a 4-H club leader for about 18 years. He was previously secretary-treasurer of the Pennsylvania Ayrshire Association for two years.

The Brubakers operate a jug milk enterprise known as Spruce Villa Dairy just north of Lititz.

Other officers are: Charles Gable, Elverson, vice president, and Kennard Henley, Cochranville, secretary-treasurer

Directors for one year are: Robert Campbell, Narvon, and James Esbenshade, Quarryville.

Directors for two years are: James Martin, Stevens, and Mrs. Ann Young, West Grove.

A meeting of the directors of the new organization will be held at 8 p m Thursday, December 2 at the home of James Martin, Stevens

Brubaker noted that existing Ayrshire clubs in Pennsylvania include on for Central Pennsylvania, one in Northeastern Pennsylvnia, and one in the Northwest

Although boundaries for the new Southeastern Aysrhire club have not been draw, Brubaker indicated that membership will be sought in neighboring countries including Lebanon, Berks, Montgomery and Lehigh It is uncertain if York County Ayrshire breeder would go with the Central of the Southeastern club, he indicated.

In other action at the covered dish supper, Susan and Sally Martin entertained with a flute duet. They are granddaughters of Ellis Mentzer, New Holland RD2, past president of the Lancaster County Ayrshire Assoication.

N Allen Bair, assistant Lancaster County ag agent, showed a picture of "Milk for the Multitudes." He also discussed milk promotion and urged every farmer to do his part. He emphasized the need to combat unfavorable images of milk and stressed the need for the farmer to put out a good product from beginning to end.

Mrs. Ann Young, a national director from Pennsylvania, reported on Ayrshire activities nationally. She said registrations are keeping pace with last year and reported on the national Ayrshire Young Sire program.

Ray Martin, New Holland, reported on progress of his calf received recently from the Lancaster County Association. The 4-H committee reported a successful year.

Hunt Safely

Local Livestock Market, Auction News

Lancaster Auction

Wednesday, November 24

	Cattle	Calves	Hogs	Sheep
Today	542	77	111	32
Last week	663	128	330	37
Last year	378	48	142	55
This weeks Auction	463	80	111	32
Last weeks Auction	470	138	321	38

CATTLE — Compared to Monday, Slaughter Steers 50-1.00 higher, Cows steady to 25 higher; Bulls 50-1.00 higher.

SLAUGHTER STEERS — Few high-Choice and Prime 950-1275 lbs 37 00-37.10; Choice 900-1275 lbs. 35.75-36.75; high-Good and low-Choice 34.00-35.85; Good 31 25-34.25, Standard and low-Good 29 00-31.50.

COWS — Utility and high-dressing Cutter 21.60-23.10; Cutter 20.25-22.00; Canner and low-Cutter 18.00-19.60.

BULLS — Choice 31 00-33.00; Good 28.25-29.50; Utility and Commercial 28.50-32.75; Cutter and low-Utility 26.00-28.10.

VEAL CALVES — Vealers steady to strong.

VEALERS — Choice 52.00-54 00, Good 47.00-51.00, Standard 41 00-47.50, Utility 35.00-41.00; Cull 65-85 lbs. 25.00-29.00; 90-120 lbs. 29.50-34.50.

HOGS — Barrows and Gilts largely 25 higher.

BARROWS AND GILTS — US 1 230-240 lbs. 22.75; US 1-2 200-235 lbs 21.50-21.75, US 2-3 210-255 lbs. 21.00-21.50.

SOWS — US 1-3 400-650 lbs. 15.00-17.50.

SHEEP — Wooled Lambs steady in limited trading.

WOOLED LAMBS — Small lot Choice 93 lbs. 26.00.

SLAUGHTER EWES — Utility and Good 4.00-6.50.

New Holland Dairy Cattle

Wednesday, November 24

Reported receipts of 103 head of cattle, 6 heifers; market lower except few better cows steady with last weeks market

Load Franklin County and Canadian cows, 465 - 570; springers, 435 - 535.

Load Canadian cows, fresh, 530 - 560, springers, 455 - 590.

Load New York State springers, 410 - 650.

Load Vermont cows, fresh, 460 - 575.

Load Canadian and Pennsylvania cows, fresh, 530 - 800; springers, 500 - 935.

Local cows, 305 - 530.

Heifers, 245 - 350.

Green Dragon

Livestock Sales

Ephrata, R. D. 3, Pa.

Walter Risser, Manager

Phone: (717) 733-2334

Every FRIDAY

- Dairy Cows 12:30 P.M.
- Hay & Straw Auction 1.00 P.M.
- Beef Cattle & Veal Calves 11:00 A.M.

Lancaster Market

Monday, November 22

	Cattle	Calves	Hogs	Sheep
Today	383	185	613	98
Last week	871	270	709	551
Last year	747	354	690	177

CATTLE — Compared with last Wednesday, volume Slaughter Steers too small to provide price trend; Cows 25-50 higher; Bulls largely 50 higher. Supply included 189 in afternoon auction.

SLAUGHTER STEERS — One load high-Choice and Prime 1103 lbs 36.00; few Choice 975-1200 lbs. 35.00-36 00.

COWS — Utility and high-dressing Cutter 21.50-23.00; Cutter 20 25-22.00.

BULLS — Bulk mainly Utility and Commercial 27.50-30.50.

VEAL CALVES — Vealers steady to strong.

VEALERS — Choice 52.00-54.50; Good 47.00-51.00; Standard 41.00-49.50; Utility 35.00-41.00; Cull 90-120 lbs. 29.50-34.50.

HOGS — Barrows and Gilts 25-50 lower.

BARROWS AND GILTS — US 1 200-235 lbs. 22.00-22.35; US 1-2 200-235 lbs. 21.25-21.75; US 2-3 200-255 lbs. 20.75-21.25.

SHEEP — Wooled Lambs 50-1.00 lower; Ewes steady.

WOOLED LAMBS — Choice and Prime 80-95 lbs. 27.50-28.50; Choice 70-95 lbs. 26.00-27.50; Good 24.00-26.00.

SLAUGHTER EWES — Utility and Good 4.00-8.00.

Lebanon Valley Auction

Tuesday, November 23

298 Head of Cattle

Steers: Choice, 34.85 - 36.00; Good (few), 32.50 - 34.25.

Heifers: Standard (few), 26.35 - 28.85.

Cows: Utility (individual), 22 00 - 23 25; Cutter, 20.60 - 21.85; Canner, 19.60 - 20.60; Shells down to 17.50.

Bulls: Good, 29.10 - 31.35; Utility and Commercial, 27.00 - 29 50.

212 Head of Veal Calves

Choice (individual), 53.50 and 54.50, Good, 49.50 - 52.50; Standard, 45.00 - 49 50; Utility, 40.00 - 43 00, Cull 90 - 120 pounds, 34.00 - 39 00, Cull 70 - 85 pounds, 28.00 - 33.00.

Farm Calves: Bulls 80 - 110 pounds, 40.00 - 51.00; Heifers 85 - 120 pounds, 38 00 - 53.00.

230 Head of Hogs

Barrows and Gilts: U.S 1-2 200 - 245 pounds (few) 22.00; 2-3 190 - 250, 21.25 - 21.50, 2-4 190 - 260, 20 50 - 21.00.

Sows U S 1-3 300 - 500 pounds, 15.25 - 16 85, 2-3 300 - 600, 15.85 - 16.50

Boars: 14.00 - 14.25.

7 Head of Sheep and Lambs

Good 70 - 90 pounds (few), 25.00.

Composite Report

Friday weekly, November 26

Lancaster, Vintage and New Holland Markets

	Cattle	Calves
This week	2100	900
Last week	4126	1494
Last year	1948	962

CATTLE — Slaughter Steers strong to 50 higher; Cows 75-1.50 higher; Bulls mostly 50 higher. Supply included 55 percent Slaughter Steers, 30 percent Cows and Bulls, with the balance mainly Feeder Steers.

SLAUGHTER STEERS — High-Choice and Prime 1050-1275 lbs. 36.00-37.25; Choice 950-1400 lbs. 35.00-36.50; high-Good and low-Choice 33.75-35.25; Good 30.50-34.00; Standard and low-Good 28.00-30.50.

COWS — Utility and high-dressing Cutter 21.50-23.50; Cutter 20.50-22.50; Canner and low-Cutter 19.00-21.50.

BULLS — Choice 29.75-31.50; Good 27.50-29.50; Utility and Commercial 27.50-30.50.

VEAL CALVES — Vealers mostly steady although 1.00-3.00 higher than last weeks low close.

VEALERS — Choice 51.00-54.00, few 54.00-56.00; Good 46.00-51.00; Standard 41.00-48 00; Utility 35.00-41.00; Cull 90-120 lbs. 28.00-34.00, 65-85 lbs. 22.00-29.00.

Green Dragon Dairy Cattle

Friday, November 19

The Green Dragon market reported receipts of 111 head of cattle, well attended with pricee stronger.

Consignments included:

Load Pennsylvania cows, fresh, 355 - 490; springers, 450 - 505

Load Pennsylvania cows, fresh, 325 - 450.

Load Pennsylvania cows, fresh, 421 - 460; springers, 300 - 535.

Load Pennsylvania springers, 255 - 385.

Load Pennsylvania fresh cows, 325 - 630.

Load Pennsylvania cows, fresh, 265 - 375; springers, 365 - 465.

Local heifers, 175 - 410.

Beef Cows

Beef cattle sale stronger with active market; feeder cattle strong with active market, large volume.

Beef Cows: Cutter, 19.00 - 22 00; Fat Cows, 18.00 - 21.00; Utility cows, 16.00 - 19.00.

Stocker Market: Beef type bulls, 24.00 - 30.00; Holstein bulls, 24.00 - 28.00; Steers, 26.00 - 34.00.

Vintage Auction

Tuesday, November 23

	Cattle	Calves	Hogs	Sheep
Today	694	630	298	70
Last week	829	638	253	55
Last year	610	555	202	105

CATTLE — Compared to last Tuesday, Slaughter Steers strong to 50 higher; Cows 75-1.50 higher; Bulls steady to 50 higher. Supply included 39 percent Cows.

SLAUGHTER STEERS — High-Choice and Prime 1050-1300 lbs. 36.00-37.25; Choice 950-1400 lbs. 36.00-36.50; high-Good and low-Choice 34.00-35.25; Good 30.50-34.00; Standard and low-Good 28.00-30.50.

COWS — Utility and high-dressing Cutter 22.00-23.50; Cutter 21.50-23.00; Canner and low-Cutter 19.00-21.50.

BULLS — Choice 29.75-31.50; Good 27.75-29.50; Utility and Commercial 28.00-29.75.

VEAL CALVES — Utility to Choice Vealers steady; Cull 1.00-2.00 lower.

VEALERS — Choice 51.00-54.00, few 54.00-56.00; Good 46.00-51.00; Standard 41.00-47.00; Utility 35.00-41.00; Cull 90-120 lbs. 27.50-33.00, 65-85 lbs. 22.00-29.00.

HOGS — Barrows and Gilts largely 50 lower.

BARROWS AND GILTS — US 1-2 200-245 lbs. 21.75-22.00; US 2-3 200-245 lbs. 21.50-21.75.

SOWS — US 1-3 325-500 lbs. 14.00-16.50.

SHEEP — Market not reported.

Fat Hogs and Feeder Pig Sale

Saturday, November 20

HOGS 1064: Barrows & Gilts: Mostly steady. US No. 1-2 200-235 lbs. 21.60-22.10, US No. 2-3 195-235 lbs. 20.85-21.50, US No. 2-4 240-270 lbs. 20.35-20.85, US No. 3-4 270-290 lbs. 18.75-20.00, US No. 2-4 165-170 lbs. 18.00-19.00.

Sows: US No. 1-3 345-505 lbs. 14.75-16.50, Boars: 14.00-14.50.

Local Grain

Friday, November 26

These prices are made up of the average prices quoted by six participating local feed and grain concerns. It should be noted, however, that not every dealer handles each commodity. All prices are per bushel, except for ear corn which is per ton.

The average local grain prices quoted Friday, November 26, 1971, are as follows:

	Bid+	Offered+
Ear Corn (old)	38.00	45.00
Ear Cron (new)	27.00	33.00
Shelled Corn	1.22	1.36
Oats (local)	.78	.94
Barley	.99	1.23
Wheat	1.20	1.64

+Bid is the price the dealer will buy from the farmer delivered to the mill. Offered is the price the dealer will sell for at his mill.

New Holland Auction

NO SALE, THURSDAY, THANKSGIVING DAY

Monday, November 22

HOG RECEIPTS 738 - Retail 21.50-22.75; Wholesale 2s, 3s, 4s 21-21.50; Heavyweights 19-21; Sows 14-16.50; Boars 13.50-14.50.

Monday, November 22

CALF RECEIPTS 201 - Choice and Prime 48-52; Standard 35-41.50; Good and Low Choice 42-47.50; Common 25-34.50.

Monday, November 22

Twenty loads of hay and straw sold as follows: Hay 34-54; Straw 31.50-44.

New Holland Horse Auction

Monday, November 22

Reported receipts of 277 head of horses; market steady with last weeks market.

Load Iowa riding horses, 105 - 220; work horses, 220 - 290.

Load Ohio Standardbred driving horses, 275 - 360.

Load Kansas City American Saddlebred horses, 175 - 490.

Locally consigned work horses, 120 - 280; riding horses, 80 - 190; driving horses, 95 - 325; few better horses, 225 - 350.

Mare Ponies, 10 - 25; Geldings, 10 - 20; Colts, 5 - 10; Larger Ponies, 30 - 45; Killers, 4 - 6.

Hay Prices

Monday, November 22

(All hay No. 2 and better, prices paid by dealers at the farm, price per ton).

Hay and straw steady to strong.

Alfalfa	35.00-45 00
	few sales to 45.00
Timothy hay	22.00-30.00
Mixed hay	25.00-38.00
Straw	25.00-35.00
Mulch	15.00-20.00

Oklahoma City

No market due to Thanksgiving Day Holiday.

COMPLETE LIVESTOCK BUYING SERVICE

Specializing in order buying of Stockers & Feeders

Frank Dussinger
livestock order buyer
Phone: (717) 397-7539

MARTIN LIVESTOCK
Washington Boro, Pa. 17582
John Bowman
Phone: (717) 872-5491

VINTAGE SALES STABLES, Inc.

PARADISE, PENNA.

BULLS, STEERS, BUTCHER COWS,
HOGS, LAMBS AND VEAL CALVES
SOLD ON COMMISSION
SALE EVERY TUESDAY 12 NOON

FAT HOGS AND FEEDER PIG SALE
EVERY SATURDAY AT 9:00 A.M.

For Marketing Information
Phone Area Code 717-442-4181
Box 100 Paradise, Pa.
10 mi. East of Lancaster on Rt. 30
Kenneth E. Hershey, Sales Manager

AUCTIONS makes the difference in marketing livestock!

New Holland makes the difference in auctions!

MONDAY 10:30 A.M. — FAT HOGS and SHOATS
2:30 P.M. — FAT STEERS, BULLS, COWS & VEAL
HORSE SALE — MONDAY at 10:00 A.M.
DAIRY SALE — WEDNESDAY at 12:30 P.M.
FAT STEERS, BULLS, COWS & VEAL — THURSDAY at 12:30 P.M.

NEW HOLLAND SALES STABLES INC.
New Holland, Penna.
Abram W. Diffenbach, Manager **Phone: 717-354-2194**

Omaha Cattle

Wednesday, November 24

Compared with last weeks close, slaughter steers 50 - 75 higher with Choice and Prime at full advance. Heifers fully 50 higher, bulls weak to 50 lower. Small feeder supply steady with moderate volume stock cows included.

Three day receipts 14,500 for holiday period as compared 16,900 previous week and 17,900 a year ago. Slaughter steers approximately 42 per cent heifers, 36 per cent liberal percentage Choice and moderate volume Choice and Prime. Cows 10 per cent, feeders 10 per cent. Pre-Thanksgiving cattle trade active, buying interests aggressive for numbers despite an unscheduled labor holiday in some plants on Monday.

Average cost slaughter steers first two days 33.80, average weight 1,117 pounds as compared 33.41 and 1,118 pounds previous week and 26.82 and 1,127 pounds a year ago.

Market Steers

Steers — Two loads High Choice and Prime U.S. 3-4, 1200 - 1225 pounds, 35.85; 1100 - 1250, 35.00 - 35.50; Choice 2-4, 975 - 1250, 33.75 - 35.00; Mixed Good and Choice, 950 - 1225, 33.00 - 33.75; Standard and Low-Good, 28.50 - 30.00.

Heifers — Load High Choice and Prime U.S. 3, 932 pounds, 34.75; 3-4 925 - 1025, 34.00 - 34.50; Choice 2-4 850 - 1050, 33.00 - 34.00; Mixed Good and Choice, 775 - 1000, 32.00 - 33.00; Good, 27.50 - 32.00; Standard and Low-Good, 26.00 - 27.50.

Cows — Utility and Commercial, 20.50 - 22.00; Canner and Cutter, 18.00 - 20.50; Mixed Cutter and Low-Utility, 20.75 - 21.00.

Bulls — Utility, Commercial and Good, 25.00 - 27.00; Commercial, 27.50; Cutter and Low-Utility, 23.00 - 25.00.

Feeder Steers

Outshipments approximately 1,500, little changed from previous week. Prices steady with supplies largely Choice steer calves and yearlings, moderate volume fleshy two-way heifers and several loads stock cows.

Steers — Choice, 344 - 415 pounds, 40.00 - 44.50; 636 - 752, 35.00 - 38.50; High Good and Choice, 872 - 1109, 32.00 - 33.25

Heifers — Choice, 325 - 340 pounds, 38.50 - 39.00; High Good and Choice, 750 - 925, 31.50 - 33.25.

Stock Cows — Choice, 1000 pounds, 24.50; Good and Choice, 21.50 - 22.50.

Lebanon Valley Livestock Market, Inc.

1 mile east of Fredericksburg along Route 222

Phone Jonestown 865-2881

Sale every Tuesday at 1:30 P.M. starting with feeder cattle and pigs

2 Dairy Meetings Slated

Richard Adams, Penn State University dairy specialist, will lead two dairy feeding educational meetings in Chester County Tuesday, December 7.

At 1 p.m., a meeting will be held at Honey Brook Grange Hall on Route 10 about one mile south of Honey Brook.

At 7:30 p.m., a meeting will be held at Russellville Grange Hall on old Route 10 and 896 in Russellville.

Topics at both meetings will include how to balance high corn dairy rations, precautions on feeding blighted corn, correcting a production slump and the pros and cons of a total-mix or complete ration. The informal programs will give plenty of opportunity for questions and answers, according to Robert A. Powers Jr, Chester County ag agent, and Glenn A. Shirk, associate ag agent.

Peoria Cattle

Wednesday, November 24

As compared to last weeks close, slaughter steers ended 50 to 1.00, instances 1.25 higher, most advance on Choice and above grade steers. Slaughter heifers closed 50 - 75 higher. Cows were steady while bulls ended mostly 50 lower. Supply consisted mainly of High-Good and Choice slaughter steers and heifers, with several loads of mixed Choice and Prime grade steers available during the week. Receipts this 4-day week 4,000; last week 4,500; last year 4-day week, 1,300.

SLAUGHTER STEERS: Load Prime 1260 pounds yield grade 3-4, 36.25 on Tuesday. Mixed Choice and Prime 1150 - 1275 pounds 35.00 - 36.25, early in the week; several loads 36.00 - 36.75 on Wednesday. Choice 900 - 1300 pounds yield grade 2-4, 33.75 - 35.75, mostly 34.50 - 35.50. Mixed Good and Choice 800 - 1125 pounds 33.00 - 34.50. Good 30.50 - 33.25. Standard 28.50 - 30.50. Few Holsteins 29.00.

SLAUGHTER HEIFERS: Prime 975 - 1025 pounds yield grade 3-4, 35.00 - 35.25; mixed Choice and Prime, 900 -975 pounds, 34.25 - 34.75; Choice 800 - 1030 pounds yield grade 2-4, 33.00 - 34.50; Mixed Good and Choice 750 - 975 pounds, 31.50 - 33.25; Good 28.50 - 31.50; few Standard Holsteins 28.50.

COWS: Commercial 18.50 - 20.00; Utility 20.00 - 21.25; few high yielding Utility 21.50; Cutter 17.50 - 20.00; Canner 16.50 - 17.50; shelly Canner 15.00 - 16.50.

BULLS: Few Good 29.00; Utility and Commercial, 25.50 - 27.50.

Green Dragon Hay Market

Friday, November 19

Twenty-seven loads hay, including: few loads Alfalfa, 40.00 - 49.50, one load at 67.00; Timothy, 33.00 - 47.00; Mixed hay, 32.50 - 47.00, one load 55.00; one load Clover, 28.00.

Twelve loads straw, 32.50 - 41.00.

xxx

Experts predict that 138 million metric tons of meat will be consumed by man world-wide in 1980. That's a 58 per cent increase over the 1965 figure.

FUTURES TRADING

(Closing bids as of Thursday, November 25)

	Chicago Cattle	Chicago Hogs	New York Maine Potatoes	Chicago Fresh Eggs
December	35.25	22.30		35.85
January '72				34.35
February	33.70	23.50		34.65
March			3.05	
April	32.70	22.40	3.25	
May			3.71	
June	32.30	24.07		
July		24.20		
August	32.00	23.02		
October	31.65			

Trend — Cattle are steady, Hogs are stronger, Potatoes are stronger, and eggs are stronger.

a-asked b-bid n-normal

Markets provided by Commodity Dept., Reynolds & Company

Dr. Honan Calls for New Milk Plant

"The chain of events within only the last 12 months, that is, the closing of two plants and the change of a large Class I account from one buyer to another, has been the cause of Inter-State having to handle about seven million pounds more of Class II surplus than before. It caused us to look for new solutions to the problem," asserted Dr. James E. Honan, general manager of Inter-State Milk Producers' Cooperative.

"We cannot sit and wait for all future business decisions to come," continued Dr. Honan to the more than 400 delegates and guests attending the 54th annual meeting Tuesday of Inter-State Milk Producers' Cooperative, Philadelphia, Pa.

The general manager pointed to the fact that, "As we look ahead, we also see these problems are intensifying as unions may push towards fewer work days per week and, perhaps, cutting off one or two days in our delivering milk to city plants."

Honan explained this intensification of surplus problems in the dairy industry by using the February 1971 closing of the Koontz Creamery at Westminster, Md Maryland Cooperative Milk Producers immediately increased their deliveries to the manufacturing plant at Laurel, Md.

Honan added that we are getting too dependent on only one manufacturing plant. He stated the problem was not only one in Philadelphia, but is directly related to the Baltimore and Washington markets and our sister cooperatives, Maryland Cooperative Milk Producers and Maryland & Virginia Milk Producers Association.

Dr. Honan announced that "the Pennmarva board of directors, supported by the respective boards of each of the Pennmarva members, directed Pennmarva's management team to study and analyze the problem and to propose a solution to the manufacturing surplus handling situation."

General manager Honan concluded by stating, "I believe a plant is needed and we should have it as early as we can get it."

The delegates attending this annual meeting represent 3000 dairy farmers who are members of Inter-State Milk Producers' Cooperative, Philadelphia, in a four-state area, New Jersey, Delaware, Maryland and Pennsylvania.

Help Us Serve You

Don't assume we know about your farm organization's meeting. To get your meeting on our Farm Calendar, it's safer to assume we don't know.

Remind us by calling 394-3047 or 626-2191 or by writing to Lancaster Farming, 22 E. Main St., Lititz, Pa. 17543. You'll be helping us to serve you better.

P.S. — If you're not sure you told us already, we don't mind hearing from you again.

U. S. Inspected Livestock Slaughter

For the week ending Thursday, November 25

	CATTLE	HOGS	SHEEP
Week to date	319,000	861,000	92,000
Same period last week	347,000	1,068,000	98,000
Same period last year	344,000	1,056,000	111,000

Estimated daily livestock slaughter under Federal Inspection.

FINAL REGULAR FALL FEEDER SALE

FRIDAY, DECEMBER 3, 1:00 P.M.

All Grades — All Breeds — All Weights

Lancaster Union Stock Yards

AUCTION PAVILION

THE LANCASTER LIVESTOCK EXCHANGE AND UNION STOCK YARD CO.

Princep™ turns weedy alfalfa into alfalfa again.

Spraying Princep™ 80W on dormant alfalfa this fall, can give you better quality, high-yielding alfalfa next year.

It can lengthen the life of your alfalfa stand, and make your hay worth more. If you've got a weedy alfalfa stand at least a year old, spray Princep and you'll cut cleaner hay next year.

CALL YOUR LOCAL DEALER OR CUSTOM APPLICATOR

Poultry Market Reports

Eastern Pa. and N.J.

Wednesday, Nov. 24

Prices on light type hens generally held unchanged although buyers occassional offerings less as offerings continue heavy. Demand fair as most plants only on a 3 day week because of holiday. Demand for dressed product mostly better than fair. Prices for heavy hens slightly higher. Demand good for barely adequate offering. Prices paid at farm: Light type hens 4½ to 7, mostly 6½ to 7 in Pa., mostly 6 in N. J. Heavy type hens 14-15.

Fogelsville

Auction Report
Sale of Monday, November 22

(Prices haid dock weights, cents per lb., except where noted)

Hens, Heavy Type 12-17; Pullets 26-33; Roasters 25-35; Capons 30½-51; Ducks 20-31; Drakes 30½-41, mostly 40-41; Geese 25-40, mostly 34-36; Rabbits 30-61, mostly 50-61.

Total coops sold 210.

Weekly New York Egg Market

(From Monday, November 22nd to Friday, November 26th)

	Mon.	Tues.	Wed.	Thurs.	Fri.
WHITE					
Fcy. Ex. Large	40	40	40		40
Large	38½	39	39		39
Mediums	32	32½	33		33½
Pullets	26	26	26		26½
Peewees	17	17	17		
BROWN					
Fcy. Ex. Large	41½	42½	44		44
Mediums	Unquoted				
Pullets	Unquoted				
Peewees	Unquoted				
Standards	33½	34	34		34
Checks	17-18	18	18		18

HOLIDAY.

Long Tone - Early reports indicate excellent Thanksgiving egg movement at most points.

Delmarva

Tuesday, November 23

Ready-to-cook movement continues spotty as buyers generally clean up work with other holiday items. Slaughter schedules still reduced in line with anticipated needs. Less than trucklot prices unchanged to ½ cent higher on both Plant and U.S. Grade A. Live supplies continue ample with weights generally heavier than desired. Undertone firm. Pool trucklot prices for Wednesday arrival in the New York area: U.S. Grade A. 25-28½ M 25½-26; Plant Grade 24-26½ M 24½-25.

Special packs including 1¾-2, 3½ pound sizes TFEWR.

New York Eggs

Tuesday, November 23

Prices advanced fractionally on large and mediums. Local trading activity slow to fair as jobbers work out previously purchased supplies. Distributors floor stocks adequate on fancy large, barely adequate on mediums with supplies clearing satisfactory under a fair call from nearby cartoning plants. Extra large increasing with some dealers tending to be more willing sellers and most offerings noted at 37½-38½ cents. Receipts light to moderate with country point offerings of heavier weights irregularly available from Southern areas. Undertone irregularly improved in a number of quarters.

Hunt Safely

NEPPCO Marketing Meeting Set

A NEPPCO Marketing Seminar scheduled in New York City November 30 has been rescheduled for March 1, 1972, according to Hank Wentink, local NEPPCO representative.

Titled "Marketing Through Exhibits", the seminar by Robert Letwin, editor of "Sales Meetings" magazine and international authority on the exhibit medium, is designed to help poultry industry exhibitors realize greater results from their exhibits through a review of the latest techniques and technology.

The lecture-discussion method with audio-visuals and pass-out materials will be uscd. Subjects to be covered include: How to establish exhibit objectives and evaluate results, How to measure success numerically, How to design the exhibit and train your personnel to achieve your objectives, Words that command attention in an exhibit, Dangers of gimmick orientation, Tools to help salesmen perform effectively, What to do before and after the show to achieve your objectives, Pre-show attendance promotions that pay off, and How to plan for the end of a successful exhibit program.

In addition to his journalism duties, Letwin is director of the Exhibit Institute and on the faculty of the Charles Morris Price School of Advertising. He has evaluated exhibit techniques around the world and has conducted several such seminars in recent years.

"To my knowledge," he said, "this is the first time a trade association has offered such a course to exhibitors in its industry. We feel this pioneering effort by NEPPCO will prove beneficial to the entire poultry industry and may well be the forerunner of many more such seminars by trade associations of other industries."

In the Kitchen

CHICKEN SALAD

3 cups diced, cooked chicken
1 cup sliced celery
½ cup mayonnaise
1½ tbsps. lemon juice (or vinegar)
1 tsp. salt
Generous grinding of black pepper
1 tbsp. fresh parsley
½ cup toasted pecans

Combine all ingredients and mix well. Chill until serving time. Serves 4 generously.

Farm Calendar

(Continued from Page 1)

7 p.m. — Manheim Young Farmers Christmas party, Willow Valley.

8 p.m. — Southeastern Pennsylvania Ayrshire Club director's meeting, James Martin farm, Stevens.

Annual Chester County Extension Homemakers Christmas meeting, Atglen Fire Hall.

Friday, December 3

8 p.m. — Lancaster County Holstein Breeders Association directors meeting, Farm and Home Center.

ABS AI MANAGEMENT SCHOOL

Dec. 13 thru Dec 17
at Quarryville

CONTACT YOUR LOCAL
ABS REPRESENTATIVE

MODERN HOGMEN ARE COST CONSCIOUS, AND THEY ARE SWITCHING TO PIONEERWAY BECAUSE . .

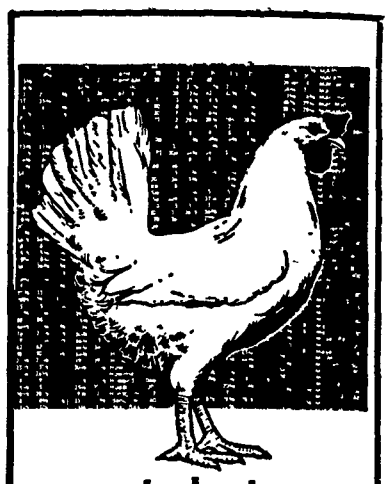
"IT'S THE THING TO DO"

FEEDS MADE THE PIONEER WAY GIVE THESE IMPORTANT BENEFITS

FASTER DAILY GAINS. Hogs eat more, gain more
IMPROVED FEED CONVERSION Less feed required per pound of gain
LESS WASTE. Each bite is right — hogs get uniform protein-energy intake every time.
RESEARCH PROVED — QUALITY CONTROLLED . . .

RED COMB PIONEER
SINCE 1870

ELMER M. SHREINER
Trading as Good's Feed Mill
Specializing in DAIRY & HOG FEEDS
New Providence, Pa.
Phone 786-2500

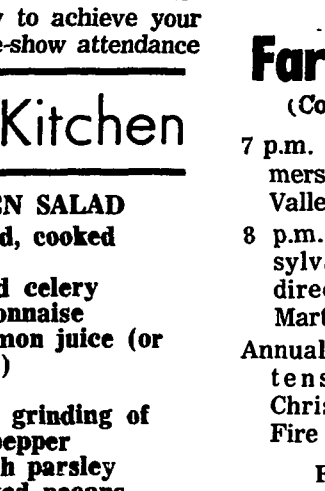


sustain top production with the BABCOCK B-300

Keeping production up...costs down...is the profit key in poultry operations. And more and more records on commercial flocks of Babcock B-300's..."The Businessman's Bird"...show sustained production of top quality eggs...often with an additional 20 to 30 eggs per bird housed over other strains. Come in... look at the records and the B-300 ..."The Businessman's Bird".

BABCOCK FARMS, INC.
Telephone (717) 626-8561)

Protects livestock



keeps barns clean & sanitary

MARTIN'S BARN-DRI

Use in any stable or animal pen that has a tendency to become slippery when wet.

- Cow Stables and Runways
- Hog Pens
- Sheep Stables
- Dog and Cat Kennels
- Chicken Houses
- Other damp areas

See your local dealer.

IVAN M. MARTIN, INC.

PENNFIELD'S UNI-PEL DAIRY FLAKES SMELL

. . . but good!

Pennfield Uni-Pel Flakes No. 522 is a coarse textured dairy feed that smells and tastes delicious. And, because it is so extremely palatable, your herd will consume more—and produce more. It's an appetizing blend of steamed, flaked corn, crimped oats, molasses and pellets that are a highly concentrated source of nutrients. Uni-Pel has the right amount of Sodium Bicarbonate that helps maintain high milk-fat tests.

Call Pennfield today and discuss your feeding needs with a Pennfield feeding expert. Uni-Pel just may be what you need. Your herd will love it. So will your profits.

pennfield feeds

711 Rohrerstown Road, Lancaster, Pennsylvania 17604

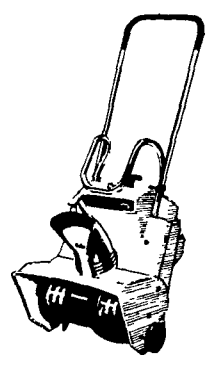
Lancaster	**392-2145**	**Lititz**	**626-2106**
York	**854-7867**	**Red Lion**	**246-8651**

LANCASTER FARMING ADS PAY

Beware, Snow!

HERE COMES THE
Snow Chaser!
by JACOBSEN®
CHIEF TRACTOR with Auger

Rugged and powerful tractors tackle deep snow and packed drifts. Choice of 10, 12 or 14 H.P. models 36" or 38" Augers!



Sno-Blitz

*17" (gas or electric)
*180° full directional chute
*Housing won't rust, dent, or chip
*Easy to start -- Easy to operate!

HALDEMAN'S GARAGE

Bird-in-Hand, Pa. Phone 393-9267

Fulton Grange Holds Corn and Pie Night

Corn and Pie Night was held at the November 22 meeting of Fulton Grange at Oakryn.

Clifford Holloway Jr was first place winner in the 10 ear class on corn and Clifford Holloway III first place winner of the single ear class.

Arba Henry, Ag teacher at Solanco High School, acted as the judge. Ralph Bitler, chairman of the Agriculture committee, was in charge.

Winners in the pie contest were:

Plain pumpkin, Mrs. J. Richard Jackson, first, and Mrs. Ira Welk, second.

Spiced pumpkin, Mrs. Clifford Holloway Jr, first, and Mrs. Charles Long, second.

Apple, Mrs. Charles Long, first, and Mrs. LeRoy Stumpf, second.

Mrs. Lewis Walton was the judge. Mrs. Rebecca Quinn, chairman of the Women's Activities committee, was in charge.

Eight people received third and fourth degrees and were accepted into full memberehip.

A monetary gift was given to the Christmas Fund for the Lancaster County Mental Health Association.

The Youth committee will be in charge of Christmas caroling December 18.

Twenty-five year members will be honored at the next meeting, December 13, and the annual Christmas party will be held with 75 cent to one dollar gift exchange

The Junior Grange will meet December 13 and have 50 to 75 cent gift exchange. They will have a paper drive January 10.

We give farmers credit for the job they do.

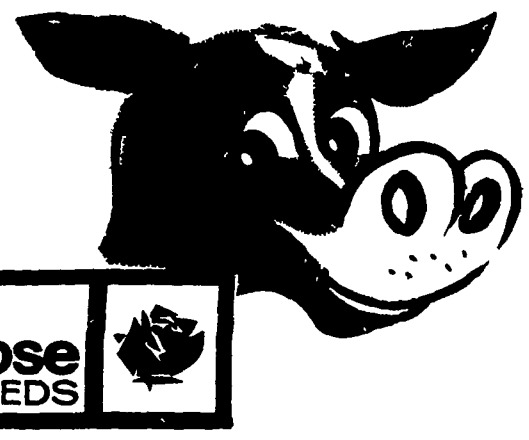
Farm Credit loans are available for practically any farm or farm family need. Farm Credit provides both long-term and short-term financing. And, on terms and conditions keyed to the individual farmer's financial situation. If you need financing to buy or operate . . . expand or equip . . . a farm of any size or type, call on Farm Credit.

LAND BANK MORTGAGE LOANS / PRODUCTION CREDIT LOANS

Farm Credit
ASSOCIATIONS

411 W. Roseville Rd., Lancaster
Ph. 393-3921
Agway Building, Lebanon
Ph. 273-4506

WHAT FEED IS BEST FOR YOUR HERD?



Red Rose DAIRY FEEDS

The Red Rose Programmed Dairy system will help you decide.

Yes, you can increase performance of your dairy herd! The Red Rose Programmed Dairy system shows you how to fit feed to the roughage you have on your farm and determines the pounds of feed input needed daily for milk output.

Let us analyze your herd. The Red Rose Programmed Dairy analysis is free . . . and we're sure it will help you with your feeding problem. Naturally, you'll get better results, and that always means more money earned.

GET IN TOUCH WITH US — SOON!

Walter Binkley & Son
Lititz

Brown & Rea, Inc.
Atglen

Elverson Supply Co.
Elverson

L. T. Geib Estate
Manheim

I. B. Graybill & Son
Strasburg

E. Musser Heisey & Son
R. D. #2, Mt. Joy, Pa.

Heistand Bros.
Elizabethtown

Red Rose Farm Service, Inc.
N. Church St., Quarryville

David B. Hurst
Bowmansville

G. R. Mitchell, Inc.
Refton, Pa.

Mountville Feed Service
Mountville

Musser Farms, Inc.
Columbia

Martin's Feed Mill
Ephrata, Pa.

Chas. E. Sauder & Sons
Terre Hill

Shelly Brothers
R. D. 2, Manheim, Pa.

E. P. Spotts, Inc.
Honey Brook

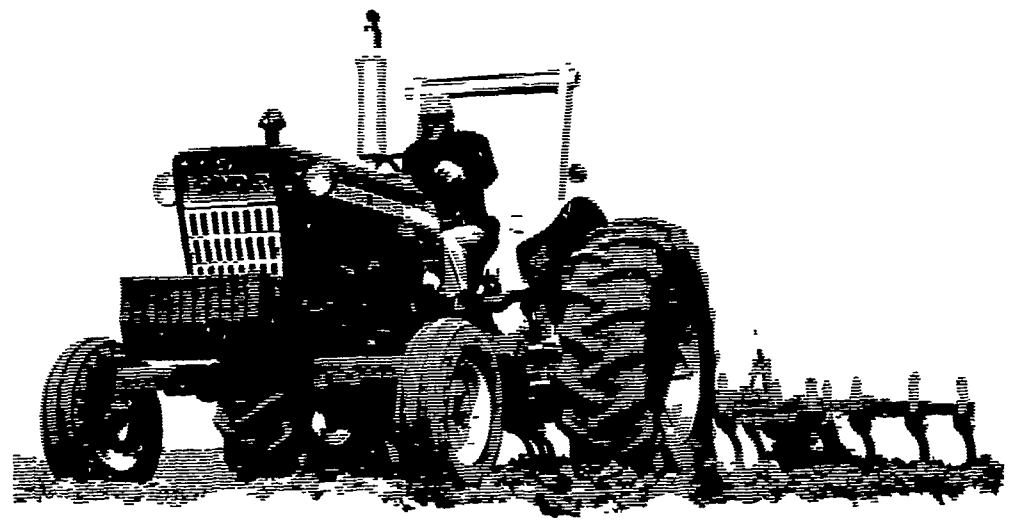
H. M. Stauffer & Sons, Inc.
Witmer

Ford

TRADE'N SAVE

No interest until next Spring!

NO PAYMENT UNTIL MAR. 1, 1973
UNDER FMCC ANNUAL PAYMENT PLAN



WHY BUY A TRACTOR NOW?

- No investment until Spring (with adequate trade).
- Lowest possible price.
- Possible tax advantages.
- Have the most modern productivity for Fall field work—now!

Ford Tractors Equipment

LANCASTER FORD TRACTOR INC.

2166 Willow Street Pike
Lancaster, Penna. Ph. 464-2746

NOW,
WE HAVE FROST.
Top Dress Alfalfa
0-12-34
0-18-36
0-15-30
0-26-26
with CHLORO IPC
for Chickweed control
Fall Plowing for Corn?
Anhydrous Ammonia can be fall applied.
Apply P & K needs this fall & save.
Call us for prompt service!
BULK BLENDS
MASTER FARMER
ANHYDROUS AMMONIA
GROFFTOWN RD.
LANCASTER, PA.
ORGANIC PLANT FOOD CO.
Ph: 397-5152

Outstanding Production Records Are Reported for Local Holsteins

Several local Registered Holstein cows have been recognized for their high milk and butterfat production levels by the Holstein-Friesian Association of America.

The cows and their owners are:

Waving Maple Janie Katty 5901526, a six-year-old in the herd tested for Hiram S. Aungst, Elizabethtown, produced 21,160 pounds of milk and 816 pounds of butterfat in 305 days.

Breezy Glen Ivan Maude 5686611, a seven-year-old, produced 24,000 pounds of milk and 886 pounds of butterfat in 345 days. Breezy Glen M & H Stephenie Jo 6519118, a four-year-old, had 17,990 pounds of milk and 681 pounds of butterfat in 314 days. Both are included in the herd tested for Donald S Eby, Gordonville.

Fultonway Reflector Bobbie 6547429, a four-year-old, produced 18,590 pounds of milk and 885 pounds of butterfat in 305 days Fultonway Electra Patsy 6513180, a four-year-old, had 16,440 pounds of milk and 744 pounds of butterfat in 345 days. Both are included in the herd tested for J. Mowery Frey & Son, Lancaster.

Marlyn Topsie Of Lakeview 5674737, a seven-year-old in the herd tested for Henry E. Kettering, Lititz, produced 18,930 pounds of milk and 761 pounds of butterfat in 341 days.

Wissler-Run Pride Bonnie 6545514, a four-year-old in the herd tested for Clarence M. Murry, Drumore, produced 17,520 pounds of milk and 654 pounds of butterfat in 340 days.

Blossomelie Zsa Zsa 5051343, a ten-year-old, produced 28,463 pounds of milk and 1,198 pounds of butterfat in 365 days. Sideview Josy Rag Apple 5331107, a ten-year-old, had 18,937 pounds of milk and 786 pounds of butterfat in 365 days. Blossomelle Lucky Babe 6959959, a two-year-old, had 16,240 pounds of milk and 607 pounds of butterfat in 322 days. All are included in the herd tested for Herbert and Rhelda Royer, Lancaster

Smyrna View Apollo Lois 5824377, a seven-year-old, produced 18,790 pounds of milk and 844 pounds of butterfat in 305 days. Con-Noll Posch Glenda 6624027, a three-year-old, had 17,240 pounds of milk and 664 pounds of butterfat in 305 days. Con-Noll Expectation Peg 6480611, a four-year-old, had 16,200 pounds of milk and 657 pounds of butterfat in 305 days F-V-F Sample Kay 6836280, a three-year-old, had 16,070 pounds of milk and 719 pounds of butterfat in 305 days. All are included in the herd tested for Nathan E. Stoltzfus, Gap

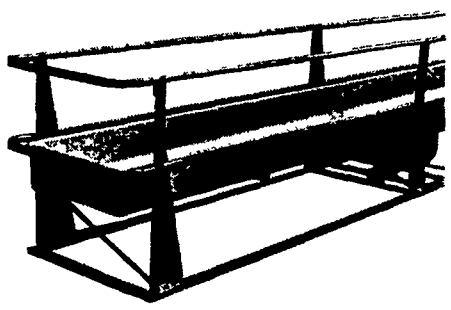
Valley Run Dictator Patsy 6560967, a four-year-old in the herd tested for Arthur D. and Mary K. Wenger, Manheim, produced 18,570 pounds of milk and 683 pounds of butterfat in 327 days.

These new production figures may be compared to the estimated annual output of 9,388 pounds (4,366 quarts) of milk and 345 pounds of butterfat by the average U S. dairy cow, notes the national Holstein Association.

Lancaster Laboratories, Inc.
Analytical Services Division
offers the following items of current interest to Agriculture and Agribusiness:
Water and Waste Water: Bacteriological, physical, and chemical analyses.
Feeds, Forages, and Foods: Base composition, nutrient values, drugs, and related additives and/or residues.
2425 New Holland Pike
Lancaster, Pa. 17601
656-9043 or 656-9868

THIS AD IS ALL BUNK

THIS ONE SHAKES



Van Dale 562 Shaker Feeder

Versatility.

That's the "562." It's a feeder and bunk system all in one. It shakes a uniform feed mixture down the trough, provides its own feed bunk and has guard rails as standard equipment.

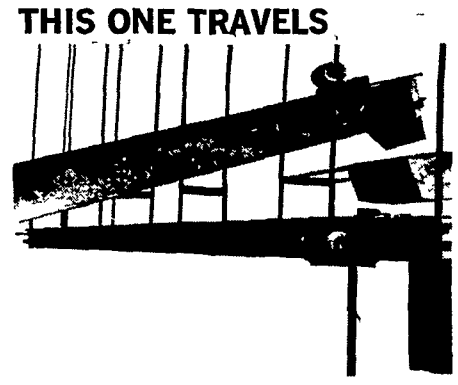
The "562" is versatile in operation too. A variable speed drive, powered through a rugged 3 hp motor, allows you to feed fast or slow. The stainless steel trough is self-cleaning and enables you to build a feed bunk from 22 to 102 feet in length. Extends to any length by using a drive unit every 102 feet.

And the unique shaking concept means you can provide an even ration mixture for any type of feed—even baled hay.

Dollar for dollar you won't find a more economical bunk-feeder combination. And, since there are no augers, chains or belts you'll find maintenance expenses are close to nothing.

That's the "562". A little money. A lot of versatile bunk.

THIS ONE TRAVELS



Van Dale SCF1400 & SCC1400 Chain Feeder and Conveyor

Workhorse.

That's the Van Dale 1400 Feeder System. It delivers up to 40 tons an hour of hard-to-feed materials. And keeps them uniformly mixed the entire length of the bunk.

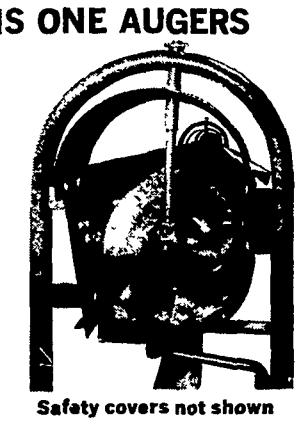
The "1400" system is designed especially for large operations. The entire unit can be suspended or floor mounted with speed and low installation costs through Van Dale's exclusive "snap-together" construction.

All galvanized metal construction means less upkeep and maintenance. The motor and drive unit remain stationary and fully shielded for maximum safety and minimum repairs.

Compare any large capacity feeder system with Van Dale. You'll choose the workhorse "1400".

Ask Your Van Dale Dealer About The New Agri-Leasing Program.

THIS ONE AUGERS



Safety covers not shown

Van Dale Mammoth 14 Multi-feeder

Efficiency.

That's the Van Dale M14. It can make your diversified livestock operation a single system. Because the M14 can feed up to four different lots at one feeding. And, each lot can receive its own special ration.

The M14 has a massive 14' trough and is fed by a bearing suspended 12' auger. It can provide you with up to 200 feet of feeding and will dump rations on either the left or right hand side. Or it can carry feed all the way to the end of the trough before dumping.

For mixing concentrated additives, the M14 auger action is unequaled. It provides consistently uniform rations all along the trough.

Selective feeding of different feed lots. High capacity feed line. Uniform feed additive mixing. That's the Van Dale M14.

Non-Stop Feeding
VAN DALE
Box 337 • Long Lake, Minnesota

CALEB M. WENGER
Drumore Center, RD1 Quarryville, Pa.
Phone 548-2116

Manheim YF Has Tour

The Manheim Young Farmer Association toured several farms in Berks and Lehigh Counties November 18.

The tour started at 7:30 a.m. from Manheim Brethren Church and included a tour of the Mack Truck Plant in Allentown.

Several area farms were toured indluding Lehigh Valley Dairies, a beef operation, and a 700 acre grain and dairy operation.

The farm of the past state Young Farmer president, Carl Miller, of Kutztown, was visited and Miller was the tour guide along with the Kutztown Young Farmer Association.

4-H Hay Ride Set

A hay ride and ice skating party has been scheduled for Lancaster County 4-H'ers at the Farm and Home Center beginning at 7 p.m Friday, December 10.

Ticket to the event will be a donation for a needy family. The item can include canned food or other useful items, according to Miss Joan Lucas, assistant Lancaster County home economist.

John York Speaks at Eastern Milk Banquet

The Eastern Milk Producers Cooperative held its banquet at the Blue Ball Fire Hall last Friday night, with John C. York, general manager, as speaker.

Alfred Wanner, who was elected district director last year, reported that farmers should pay close attention to the quality of the milk they produce. Trying to get questionable quality milk sold hurts the industry. Farmers should make the consumer want milk, Wanner said.

He particularly urged that the best quality milk should be made available in the schools because the milk drinking habits formed by school children will be important for the future of the industry.

He noted the drop in milk consumption in the past 15 years and said lack of availability is a key reason for the drop. Milk needs to be where people can see it and get it when they want it.

York, the major cooperative's general manager, described work in other local areas to show the role of Eastern. He said Eastern has often found a market for the farmer's milk when his local dairy went bankrupt.

He described the cooperative as a cheap form of insurance for the farmer. For six-tenths of one per cent of the total value of milk produced by the average farmer Eastern insures a market for milk, York said

He noted that the average farmer in the New York milk pool produced 1,100 pounds of milk a day, at a price average of around $6 per hundred, this milk is worth $60 a day, or about $22,000 a year. The average producer pays only $140 a year to his cooperative to protect this $22,000 investment, York said.

York stated, "There's never been a farmer who's been a member of Eastern who did not get his blend price or have a market for his milk."

While the blend price is up

(Continued on Page 9)

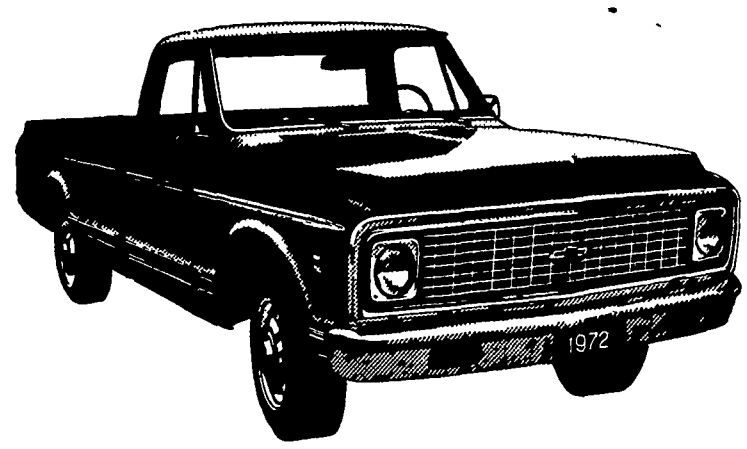
John C. York, right, general manager of the Eastern Milk Producers Cooperative, Syracuse, New York, chats with Albert Wanner, a district director, at the Blue Ball banquet.

The United States is the world's largest exporter of agricultural products.

TRY A CLASSIFIED AD – IT PAYS!

LANCO BEDDING
FOR
POULTRY AND LIVESTOCK
Shavings Bagged, Bulk, Blown-in.
Call for information
Phone 285-4506

NEED A TRUCK?



Y. S. — L. B. J.
YES SIR! LOU, BOB, and JOHN
CAN HELP YOU!

Our friendly salesmen have over 75 years experience (combined) in the automotive and truck field. Talk over your truck needs with these experts. Let them show you our outstanding selection of new and used trucks. We have one to fit your toughest job!

Chevy Trucks BUILT TOUGH. PRICED LOW

VENTURES CHEVROLET, INC.
At Kissel Hill - Lititz - 626-2091

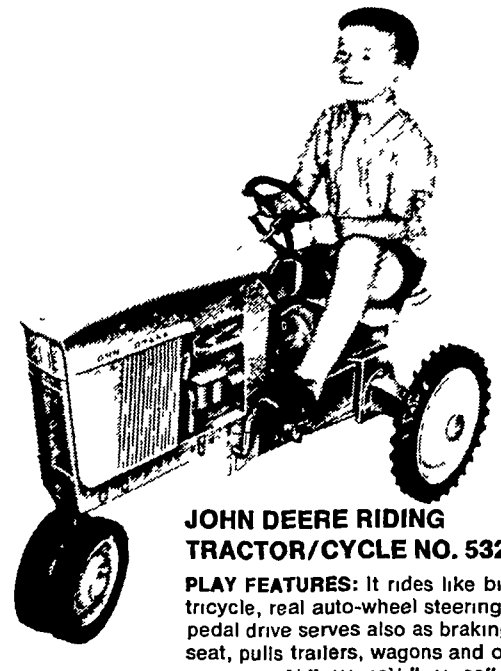
•MORE MILK • MORE MEAT
• MORE PROFIT
WITH
MADISON SILOS

• Feed high-quality, nutritious, corn and grass silage all year for more milk, more meat and more profit
• Low original cost
• Low upkeep cost
• More than 60,000 Madison Silos in use

Madison Silos
Div Martin Marietta Corp.
1070 Steinmetz Rd
Ephrata, Penna. 17522
Ph. 733-1206
LOCAL DEALERS
Frank Snyder
Akron 859-2688
Caleb Wenger
Quarryville 548-2116
Landis Bros Inc.
Lancaster 393-3906
Carl L Shirk
Lebanon 867-3741
Sollenberger Farm Supply
Centerport, Pa.
Ph. 215-926-7671

REAL RIDING-TOY FUN

Riding toys are a part of a child's growing up; and none more so than these John Deere Tractor/Cycles. They're strong. They ride smoothly. They're blueprint replicas to scale of real John Deere Tractors in rust-resistant cast aluminum. Come see them today.



JOHN DEERE RIDING TRACTOR/CYCLE NO. 532
PLAY FEATURES: It rides like bicycle or tricycle, real auto-wheel steering, chain driven pedal drive serves also as braking, adjustable seat, pulls trailers, wagons and other loads
Size L 38¼", W 18⅛", H 26"

JOHN DEERE RIDING LAWN AND GARDEN TRACTOR/CYCLE NO. 531
PLAY FEATURES: Real auto-type steering, chain drive pedal serves also as brake, seat adjusts to 3 positions, hitch pulls trailer, wagon and other loads Tires are real rubber Authentic John Deere colors green and yellow Size 35" x 19" x 34"

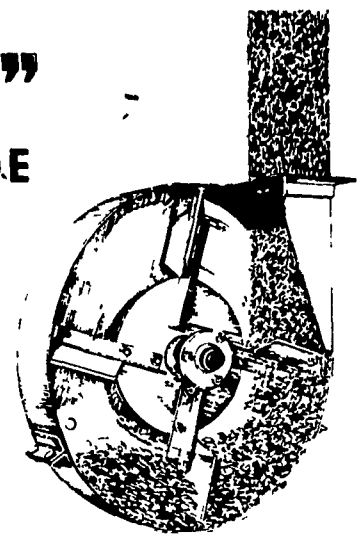
JOHN DEERE TRAILER NO. 535
PLAY FEATURES: Hitches to tractor, carries play loads, play passengers and real packages, too. Great play fun even without tractor —or attach to other vehicles

you'll find JOHN DEERE RIDING TRACTOR/CYCLES at

A. B. C. Groff, Inc.
New Holland 354-4191

Wenger Implement, Inc.
The Buck 284-4141
M. S. Yearsley & Sons
West Chester 696-2990
Landis Bros. Inc.
Lancaster 393-3906
Shotzberger's
Elm 665-2141

NEW 26"
FOUR-BLADE IMPELLER



Unloads Silage In Volume Fast

Volumatic II Silo Unloader

* Big Capacity Unloading
* Power Circle Drive
* True Three-Point Suspension
* Two Machines in One

YOU CAN COUNT ON US
Reliable Products - Installation - Service

M. E. SNAVELY

445 South Cedar St., Lititz, Pa. 17543 Ph. 626-8144

Robert Martin, Eastern Milk Producers local president, presents a camera to Clifford Day, right, Garden Spot High School vo-ag teacher, who accepts on behalf of the local vo-ag students. Looking on is Paul Burkhart, Manheim RD3. Martin was master of ceremonies at the Blue Ball banquet.

Eastern

(Continued from Page 8)

about 21 cents a hundred over last year, York said he doesn't see much change for 1972 He said he "sees nothing that will make prices go up, but you never know in an election year."

He said Eastern would like to see a national sliding price formula which would cause milk prices to change automatically as costs of production change, as the consumer's buying ability changes, and as wholesale price levels change This would be a way of protecting farmers against inflation and rising costs, York explained

Looking farther into the future in the next 10 years, some problems he sees include difficulty in finding enough farmers as the average age of farmers continues to rise, problems from the ecology movement, increasing pressures from urbanization, problems for milk plants in developing necessary waste disposal programs

He also noted that a proposed national blend price program would cost northeast dairymen 10 to 20 cents per hundredweight This money would go to midwest dairymen under a national program because the midwest currently is where most of the milk is used for class II products, York explained

York also expressed concern about proposals to abolish the U S. Department of Agriculture and to make the Pennsylvania Milk Board part of a consumer group "How far are we going to go in abolishing farming?"

He continued, "I think it's a lot of nonsense to say that the price of milk is too high Anyone who tries to get the price lowered is doing it for the benefit of the consumer and at the expense of the farmer "

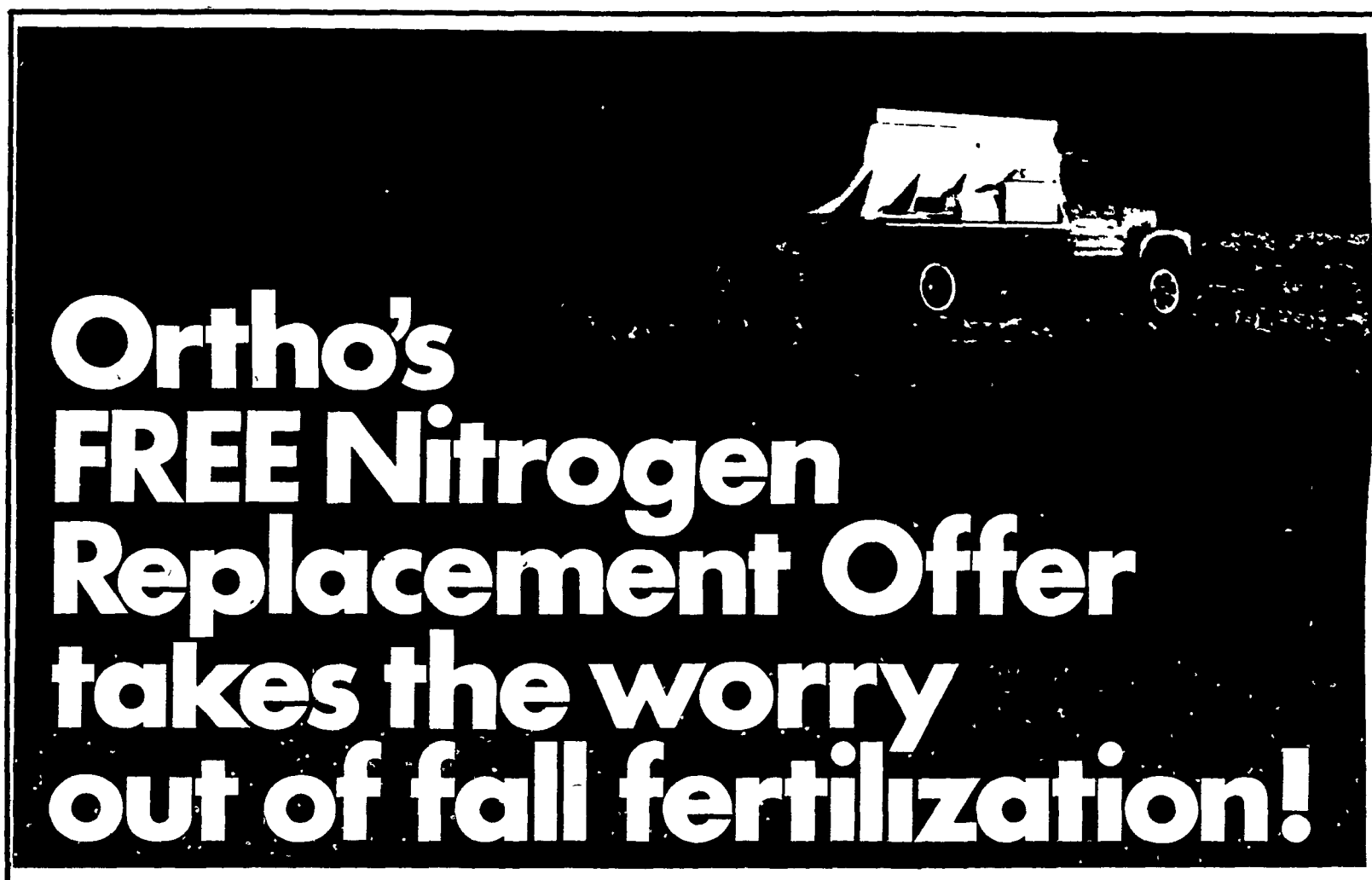
York stated that both dog food and distilled water in New York City are more expensive than milk.

In commenting on the proposed state milk referendum, York said it is assumed that a referendum will be held He stated that Eastern Milk Producers will use its bloc vote against the proposed mandatory deduction of five cents per hundredweight from every farmer's milk check for promotion of milk.

York said a mandatory program does not allow the individual farmer to get out. "You can get out of Eastern, you can get out of a voluntary program."

He also stated, "I visualize that if a program is adopted some of the money may be used against the handlers you're selling to "

In explaining the bloc vote division of the proposed referendum, York explained that it allows the cooperative to vote its entire membership in a certain way. The individual farmer will still get a ballot, however, and individual farmers who oppose their cooperative's decision will have their votes subtracted from their cooperative's vote



Ortho's FREE Nitrogen Replacement Offer takes the worry out of fall fertilization!

Last year, growers all across the corn belt took us up on our "Green 'n Easy" fall plowdown program Response was so enthusiastic, we are making the offer again this year

What is "Green 'n Easy?"

Under an Ortho "Green 'n Easy" program for corn, you simply plowdown Ortho Unipel 20-10-10 this fall in the amounts you determine from exclusive Ortho yield goal formulas — and you'll be through with all of your pre-plant plowdown of N-P-K

Follow it up next spring with an at-planting application of Ortho Unipel Starter Special You can apply it as a "dry pop-up" with the seed at 50 lbs./A and save time and material handling, while assuring a vigorous start for your corn crop

What are the chances of nitrogen loss?

Extensive research conducted by corn experts in every corn-growing state has demonstrated time and again that where losses of fall-applied nitrogen have occurred in fields suitable for fall plowdown (that is, other than sandy soils, steep slopes, land that floods, or organic soils), the maximum loss has been less than 20%

Ortho stands behind its program

If your young growing corn in the fields where you have followed the Ortho "Green 'n Easy" program, shows nitrogen deficiency next spring, we'll correct the deficiency by giving you — free — enough nitrogen to equal 20% of that which you applied this fall

Why is Ortho so confident? . . . Unipels!

Ortho Unipels are unlike any other fertilizer on the market today Unipel pellets are both chemically and physically uniform No chance for segregation or separation of ingredients because every pellet has the same size, shape, and density and every pellet contains the precise ratio of N-P-K guaranteed And the phosphate is fixation resistant. So, once-across the field does it with Unipels!

You can't lose!

Protect your fall fertilizing investment this year with a "Green 'n Easy" fall plowdown program from your participating Ortho dealer. Visit with him soon and learn if your fields qualify.

Chevron ORTHO
Chevron Chemical Company

P. L. ROHRER & BRO., INC.
Smoketown
Ph. 397-3539

Diet Is a People Problem

The American Heart Association has released a so-called "prudent diet" report recommending a low-fat, low-cholestrol diet The potential effects of this diet on the farm economy and American eating habits has been studied by the USDA in a report known as the "Le Bovit and Gale" report

Le Bovit and Gale found that the so-called "prudent diet," among other things, would contain 13 per cent fewer calories, require 15 per cent more pounds of food and cost the consumer about 10 per cent more for food

Overall, the impact on the farm economy apparently would not be too great, since farmers would continue to receive about the same total income if Americans changed their diets as recommended by the American Heart Association

But individual farmers could be affected considerably For instance, the study showed the diet would require 10 per cent more beef veal and lamb, 70 per cent less pork, 50 per cent more poultry and fish, 30 per cent less butter, 60 per cent more salad and cooking oil, 75 per cent more fruits and vegetables, 50 per cent less sugar, and 75 per cent less eggs, margarines and shortening

Depending on the type of farming the individual farmer does, changes of this nature could be beneficial or harmful Of course, at this time, the Heart Association's recommendation are simply that — recommendations Their implementation requires voluntary cooperation of every individual consumer Since many doctors disagree with the Heart Association's recommendations, voluntary compliance with these recommendations will probably be very minor

But even the cooperation of a relatively small percentage of the American people can result in significant price changes in particular farm products For instance, the egg industry has been complaining vigorously that recent reports on cholesterol — reports which the industry feels are unproven and unfounded — are costing the industry up to 10 per cent loss in consumer demand and millions of dollars a week in lost revenues

Because supply and demand is usually very evenly balanced with particular farm products an increase or loss of demand of one to five per cent often means the difference between profits and losses for the farmer

Attacks on various food products would appear to be a growing trend Note the nationally publicized report on low food value of cereals many reports on high levels of chemicals in various foods, the persistent attacks on high cholesterol levels of eggs and a speaker in Lancaster County recently attacked what has always been considered a near-perfect food — milk

It would appear that nutrition may eventually replace ecology as a political football in this country As with the ecology issue, we can expect particularly in the beginning, that the nutrition issue will be laced with more fancy than fact, more emotion than reason

Note that both ecology and nutrition have an extremely high emotional value Ecology involves the world we live in and of course nutrition includes the food which sustains our bodies and our life.

In the same way that the ecology issue has ignored the fact that in many respects our environment is better now than it has been for many decades, the nutrition crusade will ignore the fact that many, probably most, of our foods are better than they have ever been.

And the most obvious factor of all in human diets — personal choice — is being played down

The simple truth is that doctors have always told people to eat moderately, eat a well balanced diet, exercise regularly. The goal of this advice has always been to maintain a relatively moderate and constant weight and healthy bodies. Those who have followed this advice have done about as well as they can to maintain their health

But the problem has been that as Americans have gotten more money and as the efficiency of farming has enabled them to spend much smaller proportions of their income on food, they have gotten increasingly careless about maintaining both the proper quantity and quality of their diets They eat too much and they don't eat a balanced diet and they compound the situation by not getting proper exercise.

The result is that most Americans are overweight and under-nourished. They are not in good physical condition.

Add increasing stresses and strains from an increasingly complex society and we have what most anyone, including doctors, could logically expect high incidence of heart attacks, as well as other ailments and disorders which follow too much prosperity and neglect of the body

The Poultry and Egg National Board (PENB) underscores the point in summarizing the results of changes in the American diet in recent years·

"It would appear that among the highest income families, the objective in dietary change was weight control through fewer calories This was not achieved. According to the analysis presented by Le Bovit and Gale this group in the 10-year period, reduced fats and oils by 13 per cent; eggs by 20 per cent, total milk solids by 13 per cent, and milk fat by six per cent — but actually made no change in total fat consumption and increased slightly both protein and calories"

We think the past clearly points out what would happen if the American Heart Association could have its way and change the diets of every American. Americans would simply eat a little more, particularly if incomes continued to rise in relation to food costs, they would, as in the past, "increase slightly both protein and calories"

All we really need to do to meet the objectives of the American Heart Association is to convince Americans to eat balanced diets and eat moderately, settle for two pork chops instead of three, a small steak instead of a large one, small servings of high calorie foods instead of large ones, and cut out the increasing share of the food dollar which is going to snacks and sweets

And get a realistic amount of exercise.

Of course, we don't really expect Americans to change much

But it should be a reasonable goal to hope that the Heart Association will not get sidetracked into unreal and emotional issues such as cholesterol and other technical names which only doctors understand

The program is not a technical one. It is a very human one—convincing people to live the way they should instead of the way they want.

LANCASTER FARMING
Lancaster County's Own Farm Weekly

P O Box 266 - Lititz, Pa 17543
Office 22 E Main St , Lititz, Pa 17543
Phone Lancaster 394-3047 or Lititz 626-2191

Robert G. Campbell, Advertising Director
Zane Wilson, Managing Editor
Subscription price $2 per year in Lancaster County: $3 elsewhere

Established November 4, 1955
Published every Saturday by Lancaster Farming, Lititz, Pa.
Second Class Postage paid at Lititz, Pa 17543

Member of Newspaper Farm Editors Assn. Pa. Newspaper Publishers Association, and National Newspaper Association

NOW IS THE TIME..

By Max Smith
Lancaster County Agent

To Check Barn Ventilation

Cold weather has arrived and most barns are full of livestock; if these animals are confined to stalls or pens, then some means of improved ventilation may be necessary. Livestock in open barns or in free-stall dairy operations may not need any supplimental ventilation because the building is partly open. If there is condensation on the windows or ceilings of the building, then some means of removing the warm, humid air is needed. Exhaust fans are commonly used and should be on thermostatic controls. Animal comfort is very important for top production and unless some ventilation is provided, the moisture will rot the building. Dairymen with stall barns may be assisted by one of our Penn State publications on dairy barn ventilation.

To Be Careful With Abrasives

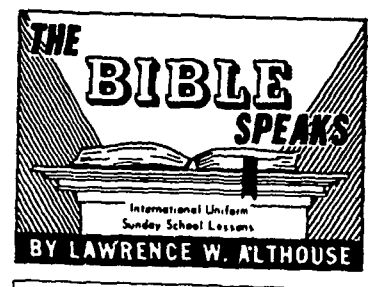
Slippery walk, steps, and barnyards can cause serious injury to both man and beast. With the snow and ice season approaching we'd like to remind everyone that salt does a good job of melting ice, but is not good for either shrubbery or grass that is nearby; we suggest the use of sand or sawdust for this purpose around the home with the salt being used only out around the barn or buildings where it will not harm the turf or shrubs. Superphosphate fertilizer has been used to improve the footing and will be of value to the nearby lawn or shrubs Abrasives should be used to prevent slipping, but care should be excercised so that nearby turf or shrubs are not injured.

To Exercise Horses

Lancaster County has the highest horse population of any county in the state; this includes both work and pleasure horses; in most cases the work horses and mules get plenty of exercise due to the farm work. However, many pleasure horses and ponies get neglected during the winter months; they should either be ridden several times per week or allowed to run outside in an exercise lot. To keep them confined to a small box-stall during the entire winter is not good equine management. Limited grain may be fed depending upon the flesh of the animal and liberal amounts of dust-free hay. Good quality hay is essential in order to prevent respiratory infections.

To Utilize Corn Stalks

Corn stalks may be a source of corn blight infection next year; we are not only referring to the southern leaf blight, but to several other possible infections. Therefore, it is suggested that corn growers either utilize their corn stalks as bedding by shredding them and putting them through the barn as bedding, or disc or plow them down this fall or winter. We have already noticed a number of growers discing their corn stalks into the topsoil in order to get them to rot down; this is a good practice and should be done on every field. When the stalks and missed corn are covered with soil, they should rot during the winter and not be a source of disease infection for the 1972 corn crop. Attention should be given to this practice now.



'COMING' OR 'GOING'?

Lesson for November 28, 1971

Background Scripture Micah 4 1-7, Romans 8 18 25, 1 Thessalonians 5 1 11, Revelation 11 15

The little boy came home from church deeply pondering the sermon. "It is from dust that we have come," intoned the preacher, "and it is to dust that we will return" Spying a clump of dust under his bed, the little boy sang "Mother, there's a man under my bed, but I can't tell whether he's coming or going!"

Rev. Althouse

Unfilled hopes

There are many people today who feel like this little boy is Man "coming" or "going", they wonder? Many have the sickening feeling that the world is "sliding downhill." Despite our expanding technology, our mastery over things, many people are dispairing for the future of civilization "What is the world coming to?" they ask and their tone of voice reveals that they have already decided on the answer

One of the reasons for the dispair we sense today is the failure of many of men's brightest hopes. Addressing the House of Commons on Armistice Day, November 11, 1918, Prime Minister Lloyd George said: "I hope we may say that thus, this fateful morning, came an end to all wars." That hope was rudely dashed in 1939 with the beginning of an even bigger "World War." Then the "Second World War" was fought "to make the world safe for democracy," but that hope too was forlorn.

We have painfully discovered that progress is not automatic. It is quite plain to us that in many areas, we are getting "worse." No wonder so many people are beginning to dispair and see "the beginning of the end"

The saving hope

Yet, we find a different point of view when we come to Paul. Despite the sins of men and the corruption of society, despite the rejection of God's own Son and the insensitivity of so many to the "Good news" of the gospel, Paul was hopeful because he saw God moving his creation toward the fulfillment which had been his plan from the very beginning

"For the creation waits with eager longing for the revealing of the sons of God"
(Romans 8:19)

For Paul, despite everything, God was moving the world on to fulfillment

This purposefulness of creation, according to Teilhard de Chardin, is evident in the process of evolution. Teilhard, a Roman Catholic priest with an international reputation as a paleantologist, found in the march of evolution the promise of fulfillment for God's universe Men of many faiths are rejoicing in this hope today just as in the first century A.D. men found in Paul the grounds for a hope that would be fulfilled by the power of God in a day yet to come.

(Based on outlines copyrighted by the Division of Christian Education, National Council of the Churches of Christ in the U.S.A. Released by Community Press Service.)

AGWAY

WHO CARES? WE DO!

PART 2 - THE BABY PIGS

AGWAY SWINE NUTRITION SCHEDULE

SQUEALER PELLETS Medicated

Creep feed starting with a handful per litter the first week. Increase so as to supply all the pigs will eat. Prevent anemia with iron injections at 2-4 days. At 15 lbs. of weight, change gradually to **Pig Starter Pellets.** Allow approximately 100 lbs. per litter.

PIG STARTER PELLETS Medicated

Creep feed so as to provide all that the pigs will eat up to weaning. Do not offer any other feed to the pigs. After weaning, mix and gradually change to **16 Pig Feed.** From a 15 lb. pig to a 40 lb. pig — allow approximately 50 lbs. per pig.

These two Starter feeds are the best feed investment you will make in your pigs.
Feeds made up with farm grains are not recommended until after the pigs are weaned.

ANOTHER AGWAY FIRST . . .

AGWAY SWINE FEEDS WITH OLEANDOMYCIN

ABSOLUTELY NO WITHDRAWAL PERIOD

THINK:

Should We Together (Cooperatively) Continue to Develop Programs

1. TO KEEP YOUNG FARMERS ON THE FARM.
2. TO KEEP MORE FARM FAMILIES ON LESS ACRES.
3. TO MAKE MORE $ PER ACRE FOR YOU
4. TO ELIMINATE YOUR NEED FOR MORE EXPENSIVE ACRES.

G & G FEED & SUPPLY
Manheim
665-5001

HENRY B. HOOVER, INC.
Ephrata
733-6593

LANCASTER STORE
394-0541

NEW HOLLAND STORE
354-2146

SALUNGA STORE
898-2248

M. M. GOOD & SON
Gordonville
768-3781

MRS. JACOB L. KURTZ
Elizabethtown
367-5430

WILLOW STREET STORE
464-3521

QUARRYVILLE STORE
786-2126

Hens Help Scientists Study Bones in Humans

Hens are helping scientists at Pennsylvania State University study the process of bone formation and bone destruction. The experiments may help to diagnose and treat bone diease, a serious problem in older people.

Such bone formation and destruction proceeds continuously, even in adults. The rapid turnover of calcium in laying hens offers a unique system for studies of this mineral metabolism, says Dr. Werner J. Mueller, Penn State professor of poultry science.

Each egg shell contains about two grams of calcium, he explains. In producing 250 eggs a year, about average, a hen puts into shells an amount of calcium equaling 20 times the calcium content of her body.

Bone metabolism is very rapid in hens, Dr. Mueller and associates have determined. Using radioactive calcium, they found that a hen's skeleton provides 30 to 40 per cent of the egg shell calcium—mostly late at night when little feed calcium is left in the digestive tract.

Medullary bone is the main reservoir of calcium in hens late at night. This medullary bone is first deposited in the central marrow cavities of the long bones of pullets about 10 days before they start to lay eggs. This unique bone is found only in hens—it does not occur in rooster, immature poultry, or mammals.

This medullary bone shows amazingly rapid shifts from destruction or resorption, as shell is formed, to bone formation when no shell is being formed.

Loss of calcium in older persons is attributed generally to a lack of balance between bone formation and destruction. Most people, especially women, lose bone mineral gradually after age 50. This usually goes unnoticed.

However, in one out of four women over 65, increased porosity of bone leads to frequent fractures, collapse of vertebrae with back pain, and deformation of the spine known as dowager's hump. Treatment of these disorders is hampered by the fact that little is known about the mechanism of bone resorption in man.

Bone destruction in hens is associated with increased acid production and slowed circulation of blood. Dr. Mueller believes both of these changes may increase the acidity of the fluids which bathe bone mineral, leading to its being dissolved. The two factors were determined by sampling blood before it entered and after if left the bone

From various experiments, he concludes that acid production is also a limiting factor in egg shell formation. The Penn State studies have observed that considerable amounts of acid are released into the blood by the shell gland during shell formation.

Dr. Mueller and associates were the first to find that hens which lay thin shelled eggs have a more acidic shell gland fluid than hens laying thick shelled eggs. Feeding acidic substances, moreover, has been found to reduce shell thickness.

Arizona Feedlot- Fewer and Bigger

It's not hard to tell in a few words the main story of Arizona's important cattle feeding industry—feedlots are getting fewer and larger, according to the USDA.

As Americans have stepped up their beef consumption, the industry has boomed, and Arizona has become one of the top 10 States in cattle feeding. From 1950 to 1970, Arizona had a sevenfold increase in the number of cattle on feed.

Unlike the Cron Belt, where cattle are traditionally fed on farms, Arizona has concentrated its feeding in large feedlots.

Last year, 14 feedlots—each with a capacity of more than 16,000 head—marketed 70 per cent of that State's fed cattle. In all, there were 61 feedlots in 1970, and they marketed 860,000 cattle. As recently as 1962 there were 189 feedlots, though they marketed far fewer cattle—568,000

The trend toward larger feedlots is Arizona is expected to continue, principally because of the economies of size. Such costs as labor and land and buildings go down markedly on a per unit basis as the number of cattle fed increases.

An Arizona study indicates variable costs (excluding feed) decline from $24.07 per head in feedlots of up to 5,000 capacity, to $16.10 a head in those with a capacity of 20,000. Likewise, fixed costs decline from $11.53 per head to $6.52 in the larger feedlots.

Total annual fixed and variable costs of owning and operating the feedlot, exclusive of feed, amounted to $35.60 per head for a 5,000-head unit contrasted with $22.62 for the 20,000-head unit.

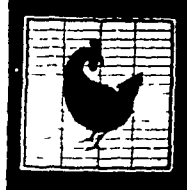
This is one reason the number of feedlots with a capacity of fewer than 1,000 head dwindled from 95 in 1962 to 9 by 1968. Those with a capacity of fewer than 4,000 head also decreased in number, as well as in the volume of cattle handled. Only those feedlots with a capacity of more than 16,000 head marketed more cattle in 1968 than in 1962.

One of the most common forms of cattle feeding in the State is custom feeding. The customer furnishes cattle for the feedlot and pays a charge for each ton of feed consumed plus veterinary fees. The feedlot is responsible for feeding the cattle and, generally, for providing marketing service as well.

TROJAN HYBRIDS
AVAILABLE
TXS 109N
TXS 111N
TXS 113N
TX 115N
TXS 118N
TXS 119N
All Trojan Seed will be of normal cytoplasm.
Get Your Trojan Gold Book.
Order Your Seed From
EUGENE HOOVER
Lititz R.D. 3 569-0756
LANCASTER COUNTY'S ORIGINAL TROJAN DEALER.

For good production next lactation,

FEED PURINA DAIRY CONDITIONER
As a dairyman, you know that good milk production doesn't just happen. It's something you plan for by establishing a herd with the genetic potential for good production, then managing and feeding your cows so they'll produce up to their bred-in ability.
Many successful local dairymen also plan for good production with a proven program of dry cow feeding. They need Purina Dairy Conditioner, a research-proven ration to help give dry cows body condition they need for good production after they freshen.
Purina Dairy Conditioner is an extra-palatable 12½ percent protein ration. It's fortified with vitamins A and D plus extra phosphorus to help guard against milk fever.
Purina Dairy Conditioner is low-cost, too, because the amounts you feed depend on your cows' condition and on the quality of the roughages you feed. For example, a cow dried off in good condition being fed high-quality roughages would require less Dairy Conditioner than a cow in only fair condition being fed fair quality roughages.
Drop in soon and get your free copy of the Purina Dry Cow Program folder. We'll be glad to show you how Purina Dairy Conditioner can help you prepare your dry cows for good production next lactation.
John J. Hess, II, Inc.
Ph: 442-4632
Paradise
Ira B. Landis
Ph: 394-7912
1912 Creek Hill Rd., Lanc.
West Willow Farmers Assn., Inc.
Ph: 464-3431
West Willow
James High & Sons
Ph: 354-0301
Gordonville
John B. Kurtz
Ph: 354-9251
R. D. 3, Ephrata
Wenger's Feed Mill Inc.
Ph: 367-1195
Rheems
PURINA CHOWS ®

ATTENTION!!
We are Pleased to Announce the Acquisition of the
HIESTAND, INC. EQUIPMENT BUSINESS.
Mr. Paul Hiestand will be Associated with our Organization.
As of Dec. 1st, 1971 All Sales & Services will be handled through our office. We are in a better position to service your needs as we carry a full line of the following equipment:
- Beacon Cage for Layers & Pullets
- Hart Cup Watering Systems
- Stanomatic Feed Carts, Egg Carts and Manure Removal Equipment
- Quakermade Egg Collectors
- Bramco Mechanical Feeders for Broilers & Pullets
- Aerovent, Coolair, Acme, & Air-O-Matic Ventilation
- Acme Fan Jet Convection-Tube Ventilation
- Brock Bulk Feed Bins
- Brock Dual Purpose Grain Drying & Storage Bins
- John Bean Power Sprayers
- Brower Hog & Livestock Equipment
- Cardinal Augers & Elevators
- Hudson Hog Equipment
- Shenandoah Equipment
- Burch Egg Room Coolers & Doors
- Egomatic Egg Packers
- Chore-Time
- Vent-O-Matic
- Diversified Waterers
- Grau-Matic Feedmeters
- Marco Medicators
- Kal Glo
- Fox Products
WE SELL, SERVICE & INSTALL

E. M. HERR
EQUIPMENT INCORPORATED
R.D. 1 WILLOW STREET (LANCASTER COUNTY) PA. 17584
AUTOMATED POULTRY & LIVESTOCK EQUIPMENT
PHONE 717-464-3321

Pa. Holstein Assn. Honors Many Local Persons

Several local farmers and farm youth were among those honored last week at the Pennsylvania Holstein Association annual convention in Altoona.

The herd of Clarence Stauffer, Ephrata, was among five herds recognized for high classification average and body conformation.

Receiving recognition for leading lactation averages for production achievements were· J. Mowery Frey Jr, Lancaster, Sinking Springs Farms, Inc, York, and Paul B Zimmerman, Ephrata

Recognized for receiving All-American honors for show ring winnings during the 1970 season were: J. Mowery Frey Jr, Lancaster, George M. Knight Jr, Airville; Hubert S. Miller, Myerstown, and Raymond A. Seidel, Richland.

The Lancaster County Holstein Breeders Association received a membership service award for having the most new members.

The Lancaster County Association was also recognized for a sale and show achievements award for having the winning club herd at the State Black and White Show York County was recognized for having the highest averaging county consignment at the State Calf Sale last spring

Jefferson D. Yoder, Elverson, was recognized for receiving the National Holstein Association's most sought after award, the Progressive Breeders Registry Award

Receiving All-Pennsylvania awards were· John Mowery Frey, Lancaster, for junior yearling heifer, Fultonway Rachel Amy Jane; George Knight Jr, Airville, for senior yearling heifer, Remcrest KP Lola; Herbert and Rhelda Royer, Lancaster, five year old and over cow, Blossomelle Dairy Princess, and Andrew Stoltzfus, Elverson, for best three females.

Top 4-H and FFA members receiving Junior All-Pennsylvania Awards for show ring achievement during 1971, chosen from among 53 entries, included: Susan Ann Frey, Lancaster, for intermediate heifer calf, Fultonway Rag Apple Caramel, George Knight III, Airville, for senior heifer calf, Collins Crest Katie Jo, John Mowery Frey, Lancaster, junior yearling heifer, Fultonway Rachel Amy Jane; Paul H Knight, Airville, senior yearling heifer, Remcrest K P. Lola, and Linda Kauffman, Elizabethtown, for two year old heifer, Penn Springs Bill Maid

Junior Contest

Pennsylvania 4-H and FFA members entered 44 Registered Holsteins in the 10th annual Junior Holstein Milk and Fat Production Contest All production records entered were 305 days in length and included only the last lactation completed in the DHIA testing year which ended September 30 Winners included·

Gary L. Akers, Quarryville, who was third in milk production in the two year and under three year class with 19,755 pounds of milk from Solanco-Acres Van Ringer Trixie

Michael R Stewart, Airville, York County, was third in butterfat production with 722 pounds of butterfat in the two year and under three year class with Jackie Stewhills Streak

In the three year and under four year class, P Carl Yoder, Elverson, Chester County, was second in milk production with 21,947 pounds of milk from his Rocky-Side Star June.

Three Chester County animals placing high in the four year old and over class were. Joyce F Weaver, Glenmoore, second in milk and third in butterfat with 24,270 pounds of milk and 872 pounds of butterfat from Welsh Springs Golden Violet, Carol Yoder Elverson, third in milk with 23,840 pounds from Rocky Side Beauty, and Susan J. Weaver, Glenmoore, fifth in butterfat with 771 pounds, from Marsh Acres Piney Empress.

In his President's Address, George Bridenbaugh reported fiscal year achievements of a record high State Membership of 4,905, putting Pennsylvania first in the nation.

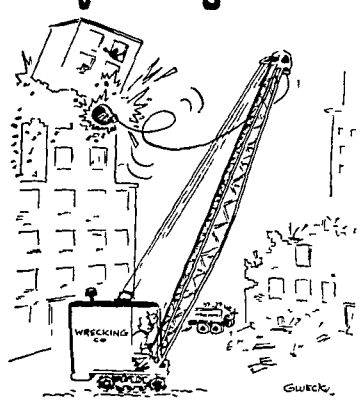
Also, Pennsylvania firsts on the national level include Holstein registrations at 48,822, transfers at 26,386, and active national members at 4,715

The Association-sponsored Pennsylvania All-American Invitational Sale set a record average of $3,152 an 41 consignments with a top of $41,000, the recognition of 15 Pennsylvania Holsteins in the 1970 All-American Contest, Nineteen District Black and White Shows with 2,802 exhibits plus a record attendance of 547 participants at the four Association-sponsored Judging Schools

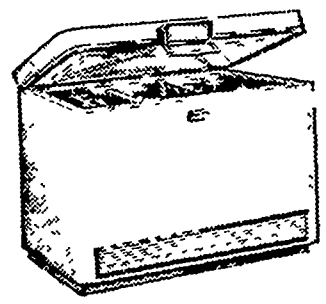
Presenting staff reports were Secretary William C Nichol and Holstein-Friesian Association Program Directors Loren Engelbrecht and Carl Brown In their remarks they stressed the need for more involvement of the total membership in Association programs, the need for expansion of youth programs, plus the importance of developing a market for Pennsylvania Registered Holsteins in foreign countries

Nearly 600 dairymen from across the State participated in the two-day program Next year's convention will be held in 11-county Southeast District of the Pennsylvania Holstein Association Serving this year as General Convention Chairman was G Milton Corle, Martinsburg

My Neighbors



"Oops"



REVCO

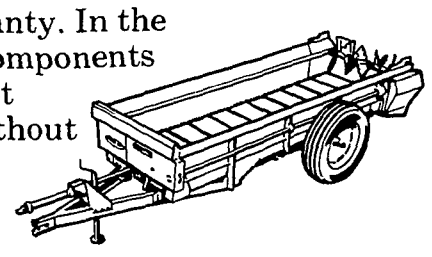
THE CUSTOM CHEST FREEZER THAT SAVES YOU MONEY.

WALTER BINKLEY & SON

R.D. 4, Lititz, Pa. Phone 626-4705

New Idea warranty covers wood and labor. (It even pays the freight!)

There's no double-talk with this warranty. In the unlikely event that any of the wood components in your New Idea Manure Spreader rot through, replacement will be made without cost to you, the original purchaser. No charge for labor, no charge for wood, no charge for freight. And this is in addition to the New Idea full year warranty on the spreader.



Wood lasts longer! It cannot rust!

AVCO NEW IDEA SUPERPICKER

A. B. C. GROFF, INC.
New Holland

A. L. HERR & BRO.
Quarryville

LANDIS BROS., INC.
Lancaster

KINZER EQUIP. CO.
Kinzer

STOLTZFUS FARM SERVICE
Cochranville, Pa.

LONGENECKER FARM SUPPLY
Rheems

CHAS. J. McCOMSEY & SONS
Hickory Hill, Pa.

N. G. HERSHEY & SON
Manheim

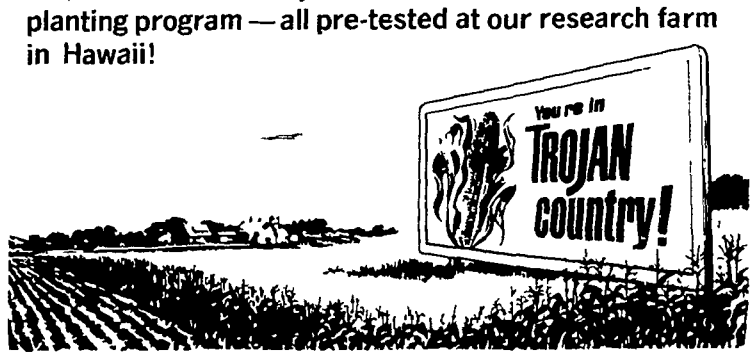
ROY H. BUCH, INC.
Ephrata, R.D. #2

TROJAN country!

Want seed from a lot that's already been grown and proved?

Talk to:

Your Trojan dealer now for the right combination of full, medium and early season varieties for your corn planting program — all pre-tested at our research farm in Hawaii!



Full Season	Medium Season
TXS-119N	TXS-113N
TXS-118N	TXS-102N

All Varieties Now 100 percent Normal Cytoplasm

TROJAN HYBRIDS ARE AVAILABLE AT THE FOLLOWING DEALERS

FARMERS SUPPLY CO.
Lancaster

LANCASTER BONE FERT. CO.
Quarryville

SENSENIG MILL
Hinkletown, Pa.

ANDERSON FEED & GRAIN
RD1, Oxford

H. H. GOOD MILL
Fivepointville

E. H. KEEN & SON
Atglen

ZIMMERMAN'S ANIMAL HEALTH SUPPLIES
RD4, Lititz

F. M. BROWN'S SONS, INC.
Sinking Spring
Birdsboro

MARTIN FEED MILL
Ephrata RD3

BOMBERGER'S STORE
Elm

GEHMAN FEED MILL
Denver

CHEMGRO FERTILIZER CO.
East Petersburg

WEAVER FIX-IT SHOP
RD, New Holland

DISTRIBUTED BY
STANFORD SEED COMPANY
Plymouth Meeting, Pa. 19462

Mushrooms, a Rapid Growth Pa. Industry

Mushrooms are a must for many housewives to serve for Thanksgiving, Christmas and for other holiday menus and festive occasions They are a real taste treat

They are an inexpensive luxury that adds variety to menus, a lift to recipes, flavor to all foods.

Best of all for the calorie conscious individual, they contain only 66 calories to a whole pound of mushrooms.

Yet, they have five to ten times the amount of niacin as carrots, spinach or tomatoes, contain more riboflavin than meat, a similar amount of protein as many vegetables and high content of phosphorous and calcium They also contain other B vitamins, iron and copper.

They are being used more and more in combination with meats and vegetables, in soups, for gourmet meals, relish, kabobs, cocktail snacks, raw in salads and for dips and dunks. Also many canned and frozen partially prepared foods with mushrooms are available.

About 38 per cent of the annual mushroom production is sold fresh and 62 per cent is processed.

Of the 62 per cent processed, 45 per cent is canned, 14 per cent in soup and 3 per cent frozen and other. Canned ones are available in whole caps, sliced and in stems and pieces. They come in various can sizes for convenience.

What are mushrooms? They are not exactly plants because they have no leaves, bear no fruit, produce no flower and do not grow in soil. They are not a mineral, although they grow in total darkness. They are not a manufactured product, although they do appear on grocery shelves in combination with other foods in cans

Mrs. Paul Farron is packing mushrooms into three pound baskets for marketing.

George Jackson is picking mushrooms into a 10 pound basket. He trims the bottom of the stems off as he picks.

The mushroom is a fungus. A fungus grows from a spore, not a seed These, in turn, must be induced to produce a threadlike mass called mycelium or spawn, which under the proper conditions develops edible mushrooms.

Mushrooms are sensitive and delicate organisms. No crop, including orchids, is as exacting in its requirements They need fresh air, but cannot stand drafts They must be grown with controlled humidity and within narrow limits of temperature margins through the various stages

The mushroom grower is an agricultural specialist. He must be aware of diseases and insects and pests that threaten a crop. Sanitation is a necessity.

It is a confining occupation because mushrooms must be picked seven days a week, and at the height of production require picking almost around the clock.

The House

Because mushrooms do not need light to grow, mushroom houses are built without windows, since it is easier to control temperatures within the house.

In order to get fresh air for them to grow, the houses are built with ventilators on the top.

Houses must be equipped with hot water heating systems to keep the temperature high enough in winter

If they are to be grown year round, the houses must be equipped with air-conditioners to keep them cool enough to grow in the summer.

Houses need to have some sort of insulation near the roof. Some producers use sawdust, but fiberglas or rock wool insulation is better.

Some people use oak boards to construct the beds for them to grow in Cypress is better, as it lasts much longer. Cypress lasts about 17 or 18 years in a mushroom house.

Most mushroom single houses are 20 by 60 feet; however, they are usually built as a double house or 40 by 60 feet. They are built of cement or cinder blocks.

Each single house contains two tiers of beds and an alley between. Each tier is six beds high, giving a total of twelve beds and a surface of approximately 4,000 square feet.

Most houses have cement floors to help cut down on disease that seems to breed more on dirt floors.

The cost of a cement block double house with insulation, cypress boards used for the beds, ventilators and heating is around $15,000.

There is a lot of hard work as well as know-how required to grow mushrooms. It is not advisable for someone who has never worked with mushrooms to invest in the business Nor is it advisable for a retired person to try it on account of the hard labor involved. Many hours of labor are required in practically all stages of production and there is much stooping, stretching and standing in the picking, but even more strenuous is the work of bringing in the compost and soil to fill the beds

Preparing the House

The first step in starting a new crop of mushrooms is preparation of the mushroom house. After the old compost is

(Continued on Page 16)

Kirkwood Woman Is Veteran Mushroom Grower

One of Lancaster County's older mushroom growers is Mrs Paul W (Ruthanna) Farron of Pumping Station Road, near Route 472 going into Kirkwood

She and her former husband, the late Joseph McCrabb, built and filled their first house in 1948

It was pretty tough going for them for a while due to the large investment and his illness During the 7½ years after his death she was on her own and put up her second mushroom house and a dirt shed

She sold her mushrooms in three pound baskets in New York City

She had as high as 12 persons picking mushrooms for her They would pick from 9 a m till 3 p m Most of them were women, but she always had one man picking

She herself worked from 4 or 5 a m till 10 p m or midnight She even worked around the clock sometimes to get them all picked Sometimes her day started at midnight

One time, she relates, a snow storm blocked all the roads and no help could get in Neither could trucks to take them away, so she turned the temperature on the houses back to 45 degrees to slow the growth This resulted in disease setting in and she lost the rest of the crop

Mrs Farron and a girl who worked for her took a short course at Penn State July 9-12, 1956 and learned a lot about mushroom production

Farrons belong to the American Mushroom Institute which is located at Kennett Square Mrs Farron was a charter member of it

Mrs Farron says, "It doesn't pay to hurry a mushroom crop"

We think this is good advice, judging from her yield of mushrooms She says, "A good crop is 6,000 to 8,000 three pound baskets to a 40 by 60 foot house. You really should get 8,000 to 10,000 baskets"

She is very modest and doesn't want to be quoted, but her yield exceeds this

From the time the mushrooms start producing you must pick them every day. After three or four months you may pick every other day The pickers wear caps with head lights to see where to pick The latest thing in mushroom production is an automatic picker, but is quite expensive and there is a question as to how efficient it is Mrs Farron is not contemplating using it

Ruthanna married a spawn salesman, Paul Farron of Kelton, Chester County, and in 1960 they put up a building to produce mushroom spawn They are the only spawn producers in Lancaster County There are 14 spawn producers who supply mushroom growers in the United States, one of which is in France

Mrs. Farron still owns the four double mushroom houses, but the past four year her brother, George Jackson, has been renting them from her. She still helps some with the mushrooms. This year she brings the mushrooms out of the house and weighs them Jackson sells them in 10 pound baskets to a trucker, who sells them to canning companies. Mushrooms are trucked in air-conditioned trucks. He has four pickers who help him He likewise is a successful grower

The price of a three pound basket of mushrooms runs around $2.50 to $3.50 for big mushrooms and about 50 cents less for smaller ones. This compares to $1.00 to $1 25 Mrs. Farron received when she was first in the business Then they only received 80 cents to a dollar for soup purposes. In the meantime cost of production has gone up comparably to the price of the mushrooms Foreign imports have hurt the sale of mushrooms somewhat

Ruthannna is the daughter of Leavin Jackson who lives next to the Farrons He owns two mushroom houses next to hers. He owns steaming equipment which he uses to steam his own houses and Mrs Farron's which George Jackson rents Farrons also have equipment so between them they have all the necessary machinery to clean and steam the houses and to turn the compost before it is put in the houses This works out fine for them, since their mushroom houses are on adjoining land.

Mushrooms are not different from other agricultural crops in that there are many diseases and insects which can attack them It is very important to use every precaution before planting new spawn to prevent them in preference to trying to cure diseases Some of their enemies and diseases are· pigmy mites, histomites, red spider, sciarid fly, phorid fly, cecid fly, eel worms or nemotodes, mummy, X disease, brown spot and spring tails

Ruthanna Farron holds a prized piece of cut glass.

Farrons Operate Mushroom Spawn Lab

The only mushroom spawn making laboratory in Lancaster County is located on Route 472 at Kirkwood and is owned and operated by Mr. and Mrs. Paul W. Farron.

Mr. Farron came from Kelton, Chester County, in the heart of the mushroom country. He is a highly skilled and trained laboratory technician who knows the business from A to Z.

His good wife, Ruthanna, helps him with every phase of the operation except one. They produce three kinds of spawn—combination spawn, plain manure spawn and grain spawn.

Their spawn not only is sold locally, but is flown to distant places such as Florida, California and Canada. They advertise in the magazine put out by The American Mushroom Institute

A spawn making laboratory operates under conditions as sterile as a hospital operating room The Farron lab is probably the most interesting and fascinating place you could imagine

Mrs. Farron says the question that is asked the most is "How do you get started with the process?"

Mr. Farron has a very interesting exhibit to show folks, which he explains very well. He has a plastic case about three inches in diameter and about two inches high. In it he has a large mushroom that just fits in and you can look underneath the mushroom and see the gills. They are the thin, brownish, leaflike, radiating plates on the undersurface of the mushroom. Did you really ever think of them having a purpose? Well, they hold the invisible little spores from which new growth develops.

First you select a large perfect mushroom. Sometimes one that looks perfect on top is not perfect underneath. The little gills must be straight. You clean the mushroom with a mercury bichloride solution. Cut the stem off with a sterilized knife.

A small section of the gills is removed and the spores are taken from the gills of the mushroom and placed on a nutritive agar in a sterilized test tube for germination.

It takes about six weeks for the spores to germinate into culture stage. The culture is pretested before the spawn is made up from the culture.

Then they are transferred from the tube to bottles of grain

Previously the grain (wheat or milo or rye) is soaked in water by a very special process until it has they right moisture content There are two types of medium—grain or manure

Next it is put in bottles, the bottles put on iron cars, and sterilized in a retort at 15 pounds steam pressure (250 degrees F). Manure is sterilized four hours and grain two hours. The retort holds 700 bottles or three cars of bottles.

Then the cars are taken from the retort into the cooling room for about 48 hours.

From there they go to the inoculating room which is kept free from germs by germicidal lamps. Two technicians, wearing white masks, caps and gowns inoculate the grain. The open end of the bottle of grain or manure is held over a Bunsen burner to keep everything sterile while innoculating

Prior to innoculating, the bottle of medium has been put on a boring machine and a hole drilled into the center of the medium

The innoculated bottles are put on an agitator to mix the culture through the bottle It is then put on racks and in eight days the bottles are shaken again. This growing room is held at 75 degrees

At the end of the next seven days it is ready to go in cold storage or to go out to the grower It is stored at 32 degrees temperature

Farrons make more of the grain culture than the manure culture, according to demand

A bottle of spawn plants on the average of 30 to 33 square feet of bed space in the mushroom house and costs 65 cents for a 45 ounce bottle

Before it goes to the grower, the grain spawn is removed from the bottle and put in a paper bag For the manure spawn, the bottle has to be broken before the spawn can be removed and put in paper bags This means the loss of those bottles. The bottles used for grain spawn can be used again.

Before winter sets in Mr Farron has to have horse manure put in the building so it is available. He gets it from growers of mushrooms.

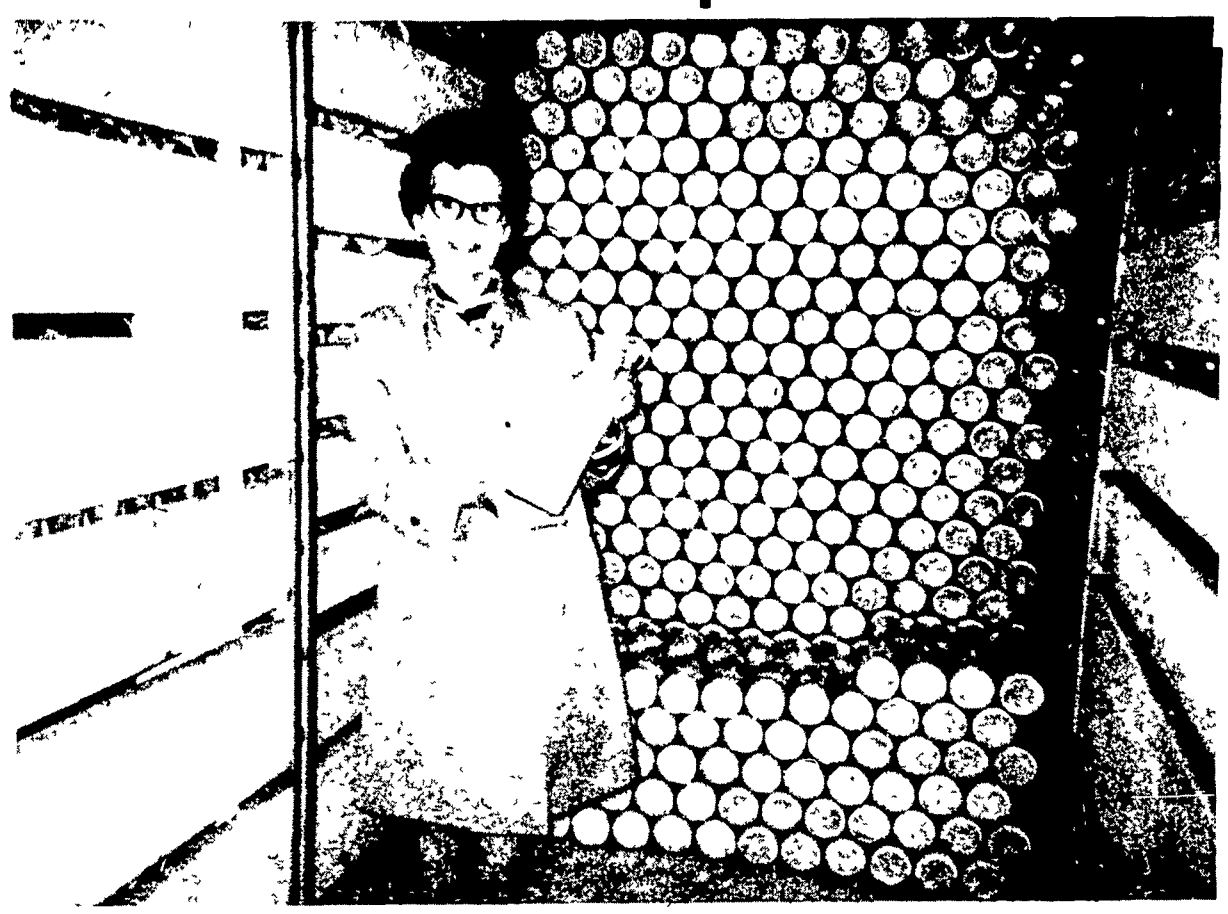
Mr. Farron tests the pH of manure, also to determine if any nematodes are in it, for the growers.

Mrs. Farron helps with all the operations in the spawn making lab except preparing the grain to be used She does a lot of inoculating, gets orders ready, uses the boring machine and sends out bills The only other help they have are some teenage boys to fill spawn bottles with manure.

When Mrs. Farron isn't working in the spawn lab, the mushroom house or keeping house she finds time to address the church presses for the Union Presbyterian Church where she is a member These go out every Saturday morning to all the members She has taught a Sunday School class there in the past also

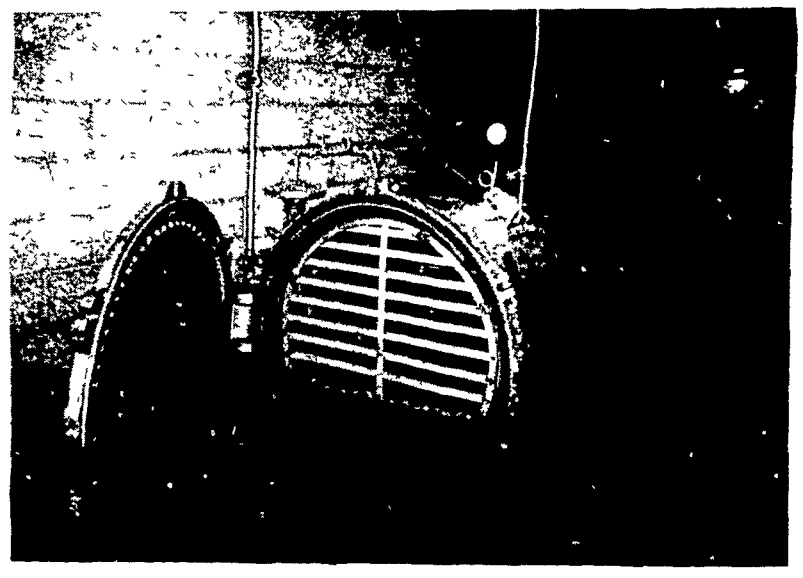
Her main hobby is collecting cut glass pieces She has many beautiful ones

She says, "I love to knit "She has made three or four afghans, and several sweaters for herself, her husband and her father She took a course last winter in painting from Charles X Carlson at Kirks Mills



Mrs. Farron holds one of the bottles stored in the 32 degree storage room.

Paul Farron is innoculating bottles of medium with spores.



This is a sterilizer or retort—where they put cars of bottles of grain or manure for spawn. Grain is left there two hours and manure for four at 15 pounds of steam pressure. The retort holds three cars or 700 bottles.

Mrs. Farron's Favorite Mushroom Recipes

Mrs. Farron emphasizes that mushrooms should be washed before using, but "do NOT ever peel them." These are some of the ways she likes them:

TO SAUTE MUSHROOMS

Use heavy skillet with plenty of surface. Do not stack slices or caps. Allow at least 2 tablespoons butter to half pound mushrooms. Keep heat medium and turn with broad spatula or pancake turner. As edges begin to brown lightly and the mushroom turns golden, turn and watch closely. Do not overcook They should never be black and rubbery. Salt with light hand, and take out of skillet as they are ready. May now be used in sauces, omelettes, casseroles, meat pies, pizza and spaghetti. Of course, they are ready and right for chicken, fish and veal; also stews and many beef servings.

xxx

MUSHROOM FILLING (STUFFING)

(For 4-5 lb. chicken or turkey)

2 cups stale bread cubes (4 bread slices)
⅛ cup chicken stock or water
¼ cup melted butter or margarine
¼ teaspoon salt
⅛ teaspoon pepper
⅛ cup finely chopped onion
¼ cup finely chopped celery
1½ cups chopped mushrooms (fresh or canned)
3 tablespoons butter or margarine
⅛ teaspoon grated nutmeg

Mix the dried bread cubes with the stock or water and the melted butter. Add salt and pepper Saute the celery and onions in the 3 tablespoons butter; add the mushrooms and saute them; sprinkle with the nutmeg Add to other ingredients and mix well. Stuff loosely into the cavity of the chicken and truss. For 12-15 lb. turkey, increase ingredients three times; for larger birds, increase proportionately.

xxx

MUSHROOMS IN CREAM

2 4-oz. cans mushroom stems and pieces
¼ teaspoon salt
½ cup evaporated milk
2 tablespoons flour
1 tablespoon butter

In saucepan, bring mushrooms to boil in own liquid. Add seasonings. Combine flour with milk in cup, add to mushrooms. Reduce heat to simmering and continue to cook for 5 minutes. Add butter and mix well when melted. Add 3 or 4 slices white American cheese Melt and serve Serves 4 to 6

xxx

TEENAGER SHISH KEBAB

Mother prepares the meat, lays out the skewers and leaves the kitchen to the gang with instructions to clean up after the fun. Chicken livers are favorites, beef is next and lamb a runner up. Cut one and a half inch chunks of beef from shoulder or from sirloin or top round. Marinate in plain French dressing (3 parts oil to 1 of

(Continued on Page 19)

Mrs. Farron is starting another afghan. A completed one is on the sofa and one of her sweaters is on the sofa arm.

Mushrooms, a Rapid Growth Industry

(Continued from Page 14)

removed the beds must be scrubbed

Then the house is steamed. This is done by filling the house with live steam from a portable boiler, raising the temperature to at least 180 degrees for about eight hours to kill all germs To this steam ten gallons of formaldehyde is added for a double house If you have to hire this done, it costs $8 an hour The walls, floor, bed boards and ventilators are sprayed with an insecticide to prevent the growth of insects which could damage the crop

The house is left closed a week to 10 days then is opened for a week to 10 days before filling

In late summer you might have observed huge piles of horse manure or a synthetic compost pile outside the mushroom houses

A synthetic compost is made of hay, chopped corn cobs and chemicals

Either type of compost must be turned and watered on the wharf several times In this way, it is broken down by the bacterial organisms present and is both chemically and physically conditioned for the growth of mushrooms

This composting process requires from one to four weeks, depending upon the material used and the rate decomposition

Filling is usually done in September The beds are filled with the compost to a depth of five or six inches This is very heavy work

After the compost has been placed on the beds, it must go through a pasteurization period before the spawn is planted This is known as the "sweat out" or "cook out" during which time the house is tightly closed, except that all the doors are opened at intervals to admit a fresh supply of oxygen

The heat generated by the bacterial action in the compost, in combination with the moisture, causes the temperature to rise and resulting pasteurization brings about a final conditioning of the compost, as well as killing off any insects or molds which may have come into the house in the filling process

If the temperature does not go high enough, disease organisms are not killed If the temperature goes too high, the chemical make-up of the compost is changed and a poor crop of mushrooms will result Thermometers placed in the beds at various levels must be checked frequently, since the air temperature in the house is no indication of the compost temperature

A uniform compost temperature of 140 degrees F. is considered sufficient to kill the pests and molds which could injure the mushroom crop. To be certain of attaining this temperature, artificial heat is often added to the compost heat as it approaches its peak and this temperature is maintained for 24 hours This process takes eight days

Planting

When pasteurization is completed, the house is allowed to cool to about 70 to 72 degrees before the spawn is planted Planting is done by broadcasting the inoculated grain or other spawn carrier which is produced at a spawn laboratory This is planted two inches deep The mycelium then grows out into the compost in whitish gray threads During this spawn-running period, the temperature must be maintained at not more than 75 degrees and the beds must not be allowed to dry out, nor to become soggy

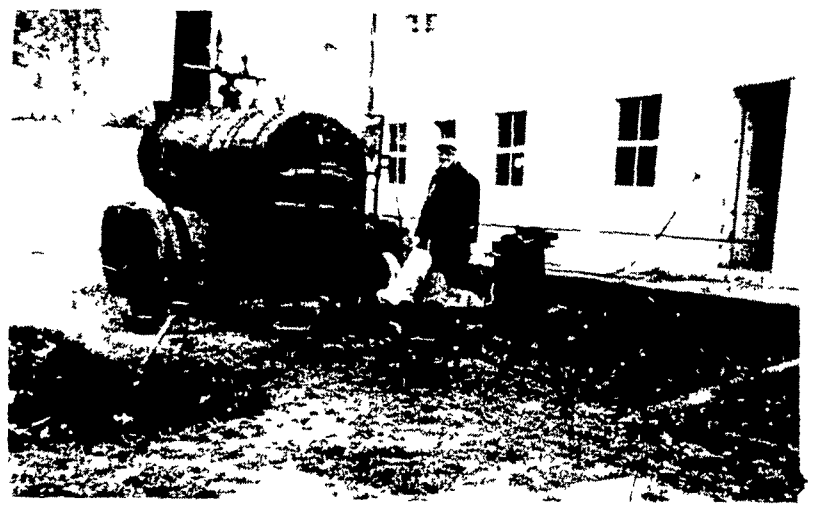
Two and a half weeks are required for the mycelium to grow through the compost. While the mycelium will grow in the compost, it will not develop into the fruiting stage and produce mushrooms until a thin layer of soil has been placed on top of the compost

Leavin Jackson's two double mushroom houses, with sprayer setting on the wharf in front.

This soil should have a pH of between 5 5 and 8.0 and can be determined by taking samples to the spawn laboratory for testing If the pH is below 6 5, lime is added. This tends to neutralize the acidity and aids in preventing green molds which can reduce the crop yield Casing soil must be sieved, then sterilized on the wharf Sterilizing is done by heating the soil to 180 degrees with live steam This is done to kill nematodes and insects which may be in the soil and would cause diseases

After sterilization has been completed, the soil is stored in a bin or on a concrete wharf and covered with canvas or plastic to prevent recontamination

About one inch of soil is placed on the surface of the compost in the beds and leveled off This is called "casing" Again, there must be constant attention to watering, temperature and ventilation.



Leavin Jackson is steaming this mushroom house, in preparation for a new crop.

After the mushrooms begin to appear—about two and a half weeks after casing—the temperature should be kept around 58 to 60 degrees A temperature of 56 degrees will produce thicker mushrooms, but in many respects is not as ideal as 60 degree temperature. If the temperature goes too low, chance of disease is greater

Mushrooms produce for about six months, so you get two crops a year if you have air-conditioning in the house.

Mushroom Industry

So rapidly has the mushroom industry grown that in Pennsylvania alone the annual mushroom crop provides more farm income than the state's entire fruit crop or the state's entire vegetable crop Production and sales have risen from 75 million to 170 million pounds in the past 10 years, one of the fastest growth rates in the nation's agricultural economy

Chester County, known as the world center of mushroom production, has over 500 producers. Berks County, around Temple, produces quite a few. Lancaster County has several producers, mostly in the southern section, bordering Chester County. There are some produced in California, Florida, Pacific Northwest, Hudson River Valley, in the New England states and regions around St. Louis, Kansas City, Ohio and Southern Michigan.

A different method of handling mushrooms is practiced at West Winfield, in Western Pennsylvania, where instead of raising them in houses they are raised in caves from which limestone was formerly mined by a steel company. Here, as well as at some other large plants in various parts of the country, a system of movable trays takes the place of the conventional stationary beds so that filling, spawning and casing can be done by mechanical means. At West Winfield almost the only manual labor involved is the picking and packing of the fresh mushrooms.

Because the caves maintain a year-round temperature of approximately 56 degrees F., special rooms are maintained for the "sweat-out" and spawn growing which must take place at higher temperatures. It is thus possible to produce mushrooms the entire year in the caves by replacing the trays every 50 days. Production here runs as high as eight to ten tons per day throughout the year.

Earliest commercial production of mushrooms in this country was in the vicinity of New York City and Long Island about 1880. They were grown on the floors of cellars and caves, but this wasn't too satisfactory. In 1885, William Swayne of Kennett Square, Chester County, Pennsylvania, tried growing mushrooms beneath the benches in his greenhouse. This was anything but satisfactory, so in 1896 he built the first houses in the area to be used exclusively for growing mushrooms. From this beginning this section in Chester County became known as the mushroom capitol of the United States

The United States acre yield for wheat has doubled since 1930, from 14 to 28 bushels.

TRIPLE "F" FEEDS

FRESH CUT PRESERVATIVES

Keeps all feeds from heating and moulding for 3 weeks. Increases flavor of feed and conserves nutrients, protein, fat and carbohydrates.

SPECIAL BENEFITS TO BLIGHTED CORN.

HIESTAND INC.

RD 1, Marietta, Pa Phone 717-426-1101

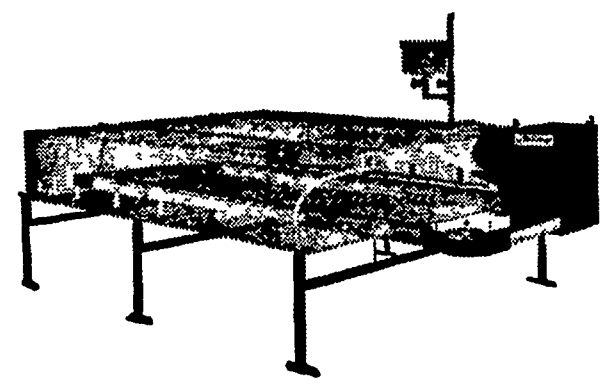
Big Dutchman.
A DIVISION OF U.S. INDUSTRIES INC.

"CHIK-EZE"

Hinged bottom model Chik-Eze includes egg tray which can be put into use at 10 weeks.

This feature will actually permit birds to be kept in the start/grow cage at full laying age if necessary. It also eliminates problems of egg gathering and egg breakage if circumstances delay movement of pullets to grow/lay or permanent lay cages, and it takes care of eggs from birds that lay permaturely. The lowered floor provides a 2 inch gap for eggs to roll out onto tray.

THE ALL NEW FLAT DECK CHIK-EZE PULLET REARING CAGE



. . . offers durability, economy, performance and practical labor saving features that increase management efficiency. The heart of the system is the Big Dutchman chain and trough feeder providing 96 inches of feeding space per cage. There is full availability of all the feed to all the birds. All feed is automatically recirculated and remixed, resulting in better feed consumption.

Extra feed capacity makes high density of birds per cage row practical and manageable.

BIG DUTCHMAN
A Division of U.S. Industries, Inc.
EASTERN BRANCH

215 Diller Ave., New Holland, Pa. 17557 Ph. 354-5168

Control Alfalfa Weeds

Do not let weeds steal your alfalfa!

Winter annual weeds have been growing actively and will be a major problem in many alfalfa fields. The long growing season and the cool, moist conditions this fall favored seed germination and weed growth, according to Robert A. Powers Jr, Chester County ag agent, and Glenn A. Shirk, associate agent.

Chickweed, shepards purse, field peppergrass and pennycress are the winter annual weeds to be concerned about. These weeds can be costly; they cause thin stands. They reduce crop yields and forage quality. The dense, matty growth of chickweed smothers out the alfalfa, and it interferes with harvesting and curing.

Many of these weeds are small now and may not appear to be much of a problem. However, this is the best time to control them!

If they are not controlled now, they will continue to grow this winter, and they could become a real serious problem by next spring. Then, it will be too late to control them or to correct the damage they may have done to the alfalfa stand, the Extension agents warn.

Three control materials are recommended; information can be obtained from your local Extension agent.

Select one that fits your specific weed and crop situation. They will do a fairly good job if applied now.

However, do not expect a 100 per cent weed control — the kind of control you often see in corn. With forage crops, an 85 per cent kill is very good.

A few intentional skips at spraying time can be proof that these sprays do help.

For best results:

1. Apply after alfalfa is dormant — after the second killing frost.

2. Get good coverage:

— Use 20 - 40 gallons of water per acre.

— Spray at a pressure of 30 - 40 pounds per square inch.

— Spray nozzles should be 18 - 22 inches above the weeds.

— Avoid overlaps of sprayer boom.

— Distribute fertilizers containing herbicides evenly.

3. Use recommended materials according to directions.

Meeting Cancelled

The December 16, Pennsylvania Started Pullet Symposium IV has been cancelled. This statewide meeting was to be held at the Farm and Home Center, Lancaster.

Try A Classified Ad
It Pays!

WELCOME

CASHWAY Lumber CO.

Look For This Sign

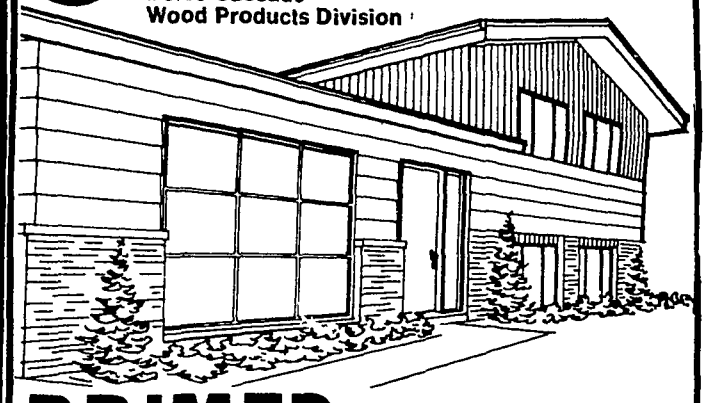
IT'S THE **SELLING PRICE** THAT COUNTS

COMPARE AT CASHWAY BEFORE YOU BUY

THESE ARE CASHWAY'S EVERYDAY LOW PRICES

INSULITE SIDING

Boise Cascade Wood Products Division



PRIMED

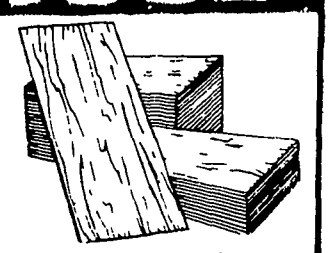
Prime Coated Front, Back, Edges and Ends. Resists Paint Blistering Too . . . . . $18.95 100 sq. ft.

PLYWOOD

CD SHEATING EXTERIOR GLUE

½" x 4' x 8'

$4.28



Current Prices Subject to Change without notice or liability

METAL DOUBLE-RIB

ROOFING & SIDING

ALUMINUM HI-STRENGTH ALLOY
WIDTH 48" NET
LENGTHS 8' - 24'
$13.10 100 SQ. FT.

GALVANIZED STEEL
29 GAUGE
WIDTH 32" NET
LENGTHS 7' - 14'
$12.35 100 SQ. FT.

FABRAL CORPORATION

ALUMINUM STORM DOOR
GEORGIA-PACIFIC
WEATHER SEAL DIVISION

Pre-HUNG
Pneumatic Closer & Chain
Quality Construction
Many Stock Sizes
$17.95 Each

SQUARE BARN POLES
PENTA TREATED - YELLOW PINE
Net retention 6 lbs. per cubic ft.

4 x 4 -	10	Ea.	$ 2.67
	12	Ea.	3.20
	14	Ea.	3.73
	16	Ea.	4.37
4 x 6 -	12	Ea.	4.80
	14	Ea.	5.60
	16	Ea.	6.40
	18	Ea.	7.56
	20	Ea.	8.60
6 x 6 -	14	Ea.	8.40
	16	Ea.	9.60
	18	Ea.	11.34
	20	Ea.	12.90
	22	Ea.	14.52
	24	Ea.	16.20

PARTICLE BOARD

⅜" 4'x8' - - - - - - - $2.83

⅝" 4'x8' - - - - - - - $3.65

FURRING STRIPS

1 x 2	3¢ ft.
1 x 3	4¢ ft.
1 x 4	5¢ ft.

HAUL YOUR OWN AND SAVE

DELIVERY AVAILABLE

3 Miles East on Route 340

2275 Old Philadelphia Pike

LANCASTER, PA.

OPEN 7:30 to 5:30 SIX DAYS A WEEK

Phone: 397-4829

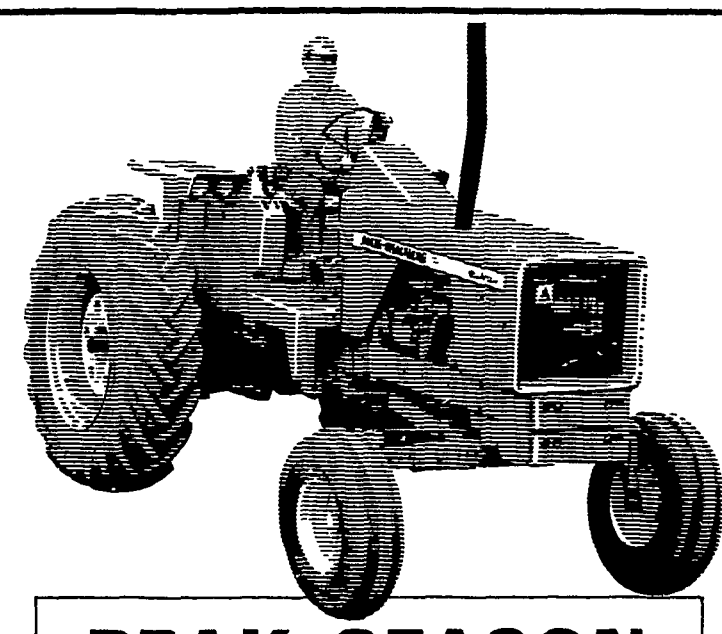
Phone: 397-4820

CONTROL BOTH KINDS OF ROOTWORMS!

BUX® is one rootworm insecticide that combines proven effectiveness with an exceptionally low risk factor. It controls both resistant and non-resistant rootworms. And there's no miserable odor to smell up everything. Ask us about the many other reasons to choose BUX.

P. L. ROHRER & BRO., INC.

Smoketown, Pa. 397-3539



PEAK-SEASON POWER ALL YEAR 'ROUND

ONE day's delay in getting a crop planted on time could often pay for the difference between operating a medium power tractor . . . or a 93 horsepower* Allis-Chalmers One-Ninety XT Series III. And many such delays at planting and at harvest can add up to a sizeable total over a season.

So invest in the horsepower you need to stay ahead of the calendar during your busiest season. Put yourself in the seat of the One-Ninety XT Series III and get peak-season power that'll deliver peak performance and traction every day . . . all year long. Going Orange is Going Great!

Grumelli Farm Service Quarryville, Pa.

Roy H. Buch, Inc. Ephrata, R.D. 2

Nissley Farm Service Washington Boro, Pa.

L. H. Brubaker Lancaster, Pa.

N. G. Myers & Son Rheems, Pa.

ALLIS-CHALMERS

*Maximum observed PTO horsepower at rated engine speed—XT diesel.

A Look at the Futures Market

Editor's note: Futures markets have long been understood as an arena for speculators, those who don't need or want to own commodities such as eggs, various vegetables, live animals and others, but who are willing to risk their money and judgment on the future prices of these products.

But as farming becomes more complex and requires larger inputs of captial, the futures markets are also becoming recognized as a proper concern of farmers.

While speculators use the markets to maximize risks and potential profits, farmers often use them to minimize risks and to assure that good prices which are available now will still be available when the crop or animals are ready for market.

For instance, farmers who early this year had the wisdom to anticipate the good corn harvest which caused corn prices to drop sharply could have "locked in" the high prices with futures contracts

Futures markets are highly complex. If used unwisely, they can be very costly.

But the indications are growing that many successful farmers and agribusinessmen consider futures markets to have a place in a well-run enterprise.

In the accompanying article, Dr. Allen Paul, head of the USDA's Competition and Pricing Branch, Marketing Economics Division, Economic Research Service, answers some basic questions about futures.

What is the futures market?

The futures market is the organized and regulated buying and selling of contracts for farm commodities to be delivered and paid for on some future date.

The uniqueness of the activity is that most traders don't actually want the commodity so they sell the contract before delivery, sometimes at a profit, other times not.

What farm commodities are most actively traded?

Wheat, corn, oats, soybeans, cotton, wool, shell eggs, potatoes, soybean oil, soybean meal, live beef cattle, live hogs, frozen pork bellies (bacon), and frozen concentrated orange juice. Corn led the trading volume in 1970-71 with over 2.7 million transactions.

Ass this trading was under Federal supervision.

Where are the major markets?

The two largest are in Chicago, with others in Kansas City, Minneapolis, New York, and one just underway in Los Angeles.

These markets handled over $115 billion worth of trading last year compared with $92 billion in 1969-70 and $83 billion 5 years earlier.

How does futures trading work?

It's based on a difference of opinion Here's an oversimplified explanation.

Those buying futures contracts usually expect prices to increase for the commodity as the delivery date nears Sellers, on the other hand, usually feel prices will glide lower near delivery time.

Let's look at an example for wheat A futures contract for a bushel of wheat to be delivered in March of 1972 sold for $1.54 on September 8, 1971, in Chicago. The price for that contract had varied in previous trading from about $1 75 to $1.46

That $1.54 contract might start rising toward $1.75 again before March and be sold, perhaps to someone who thinks it would go even higher On the other hand, if the price begins to slip and the contract owner doesn't want the wheat, he could sell before March 1

What is the value of futures trading to farmers?

Futures trading brings prices into the open; it increases the range of information and judgments brought to bear on the price.

Second, futures make it easier for farmers and other businessmen to choose a preferred course of action

For example, a grain grower can sell his crop on the futures market and earn a storage fee for holding the grain Then, as delivery time nears he can buy his contract back and sell the grain for cash

Exporters can accept overseas orders for grain they do not have on inventory because futures give them a temporary ownership position until they find the grain.

Third, futures trading facilities financing for farmers and others Grain inventories that are properly stored and hedged in futures can serve as collateral for up to 90 per cent of the value of a low-interest loan These loans free up the operator's capital for such things as more modern machinery

How do futures contracts help stabilize returns for farm commodities?

It is important to realize that those who use the futures market make it possible for processors, distributors, and farmers to reduce some of their price risks.

If a wheat miller, for example, takes orders from bakers for flour to be shipped in six months, he can buy wheat futures now and thereby fix his wheat cost by taking delivery at the contracted price.

What price best reflects the prospective supply and demand at a given time—cash or futures?

There usually is little difference, except in the case of nonstorables like eggs, potatoes, and livestock. In these cases, futures traders buy a contract due 8 to 12 months in the future. Cash prices for products can reflect supply and demand prospects for only about a month or two. Thus, prices for distant delivery extend the evaluation of the market situation.

What about storables?

Well, for storables, such as grain, cash prices for immediate delivery reflect distant prospects just as much as futures prices do.

To illustrate, in mid-April, No. 2 yellow corn at Chicago was $1.54 and December futures were $1.47—both high prices for recent years—reflecting fears of extensive blight damage to the 1971 crop.

But by mid-August such fears had subsided and both price barometers had declined $0.24. Thus, cash and futures were similarly affected by the marked change in thinking.

What is your viewpoint of the future of futures?

The future of futures looks healthy. The major source of growth in futures trading since World War II has been the expansion and increased specialization of the feed-livestock economy.

Four times more corn and 12 times more soybeans are being sold from farms than in 1939-41 and the increased volume of corn and soybean futures trading reflects this expansion.

Recent introduction of futures trading in live cattle and hogs also is a manifestation of growth and specialization of the feed-livestock economy.

On the other hand, the old standbys of futures trading—cotton and wheat—have not shown as much vigor for related reasons. In the past two decades, low prices for grain often meant that prices were at or near Government support levels, whereas high prices meant the opposite. Yet in recent years with the changes in farm programs, future volume has been coming back.

'70-71 Futures Volume Is Up

During fiscal 1970-71, a record 11.8 million futures contracts were made. Last year's record represented a sharp increase of over 14 per cent compared with the 10.3 billion total transactions traded during 1969-70. Here's a rundown of trading volume among the most active regulated commodities:

Commodity	Thousands of transactions
Corn	2,748
Soybeans	2,686
Frozen pork bellies	1,526
Soybean oil	1,464
Wheat	847
Soybean meal	634
Live beef cattle	606
Shell eggs	524
Potatoes	238
Live hogs	191
Cotton	166
Frozen concentrated orange juice	117
Oats	77

ATTENTION!!

BALER TWINE

LOWEST PRICES NOW

Through January 31, 1972.

WRITE OR CALL

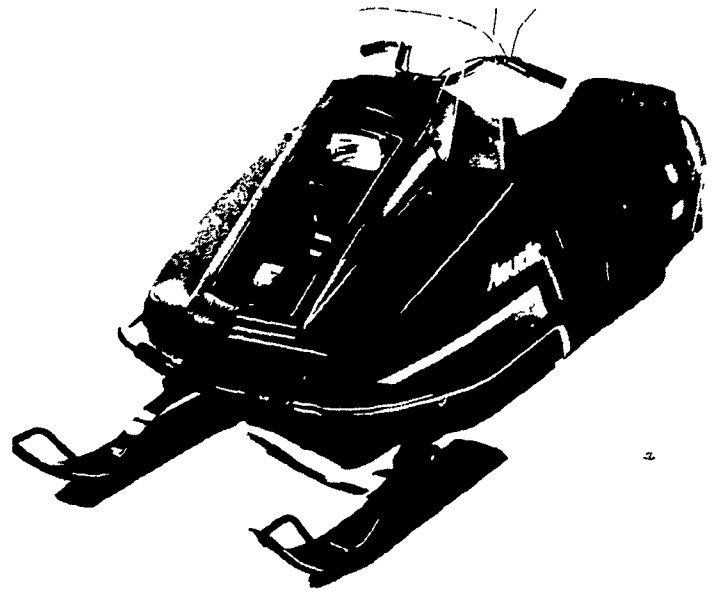
A. B. C. GROFF, INC.

New Holland, Pa. Ph: 354-4191

SNOW IS COMING — BE READY WITH

ALOUETTE SNOWMOBILE

WE HAVE WHAT YOU'RE LOOKING FOR



COME IN & LOOK THEM OVER

LITITZ SPORTS CENTER

47 E Main St

SHENK'S FARM SERVICE

Wood's Drive, 2 miles East of Kissel Hill

626-4355

Plant Pioneer "Leader" hybrids

3388

Most outstanding yielder in its maturity.
Excellent combiner.

3306

Top yielder of quality corn.

3369 A

Frequently 10 to 20 bushels per acre better than other corns.

Sold by your Pioneer man

PIONEER® BRAND CORN, SORGHUM, ALFALFA

Pioneer is a brand name, numbers identify varieties
*Reg trademark of Pioneer Hi-Bred International, Inc., Des Moines, Iowa, U S A

Mrs. Farron's Favorite Mushroom Recipes

(Continued from Page 15)

vinegar) to which either fresh or dried herbs have been added. Use parsley and basil, or a pinch of oregano and freshly ground black peper, with real chili powder. Place meat in this marinade and set into the refrigerator for half an hour or longer.

Run a chunk of meat onto the skewer, then a chunk of onion, nest a wedge of tomato, a large fresh mushroom cap, another chunk of onion, meat, etc., until skewer is loaded but not too tightly. Leave space between each addition to cook all aound. Drizzle some of the marinade over all and broil over charcoal outside; or under the broiler in the kitchen.

Thick slices French bread and a huge bowl of hot potato salad, or cole slaw with soft drinks and maybe an oversize Devil's food cake is about right for one day. They'll be ready again soon!

x x x

MUSHROOM MEATLOAF

1 cup fresh, finely chopped mushrooms or 1 can (3 to 4 oz.) mushrooms
1 large carrot, chopped
1 medium-sized onion
2 eggs
¼ cup catsup
1½ pounds ground beef
½ cup dry bread crumbs
1½ teaspoons salt
⅛ teaspoon black pepper
5 whole medium-sized mushroom caps, fresh or canned

If using fresh mushrooms, use approximately ¼ pound. If using canned mushrooms, drain. In blender or grater finely chop mushrooms, carrot and onion. Transfer to mixing bowl and add remaining ingredients except mushroom caps, blending thoroughly. Turn half of meat mixture into greased 9 x 5 x 2 ¾ inch pan. Make slight indentation in center of meatloaf and place whole mushrooms in well. Cover with remaining meatloaf mixture and place whole mushrooms in well. Cover with remaining meatloaf mixture and shape into loaf. Bake in preheated moderate oven (350 degrees) 1 hour or until done. YIELD: 6 servings.

x x x

SWISS STEAK AND MUSHROOMS

2½ cups sliced fresh mushrooms or 1 can (6 to 8 oz.) sliced mushrooms
2½ lb. round steak, cut 1-inch thick
1-3 cup flour
1 teaspoon salt
¼ teaspoon ground black pepper
¼ cup shortening
1 cup water
1 cup canned tomatoes, broken
½ cup sliced onion
¼ clove garlic, finely minced
1 small bay leaf

If using fresh mushrooms, use approximately ½ lb. Using canned mushrooms, drain. Cut meat into 6 pieces. Blend together flour, salt and pepper, dredge meat in mixture Brown meat on both sides in hot shortening Place meat in casserole dish and bake in preheated slow oven (325 degrees) 1¼ hours. Add mushrooms YIELD 6 servings

x x x

MARINATED MUSHROOMS

1 cup vinegar (wine vinegar preferred)
1 clove garlic, chopped
2 bay leaves
2 tablespoon salad oil
1 tablespoon pickling spices
½ cup mushroom liquid
½ teaspoon salt
¼ teaspoon pepper
2 4-oz cans button or sliced mushrooms

In saucepan, mix all ingredients except mushrooms and bring to boil Simmer for 15 minutes Pour the sauce over the mushrooms in bowl or jar and refrigerate overnight or for several hours Stick on pretzel sticks and serve as hors d' oeuvres SERVES 8 to 12.

x x x

CANNED MUSHROOMS FRENCH FRIED

Drain canned stems and pieces or slices mushrooms, then scatter out on soft paper toweling until quite dry Transfer to another dry piece of paper toweling and dust with coating of flour Drop a few at a time into a coarse sieve and shake off excess flour Heat peanut oil, or any favorite shortening, to 375 degrees Place floured mushrooms in hot deep oil or fat and fry approximately 2 minutes Do not overcook, drain on absorbent paper These crisp bites should not be too brown A light sprinkle of salt is added after done Serve piping hot

x x x

MUSHROOM ASPARAGUS SOUP

Make your favorite asparagus soup Then cut through 4 large mushrooms from rounded side through stems into think slices Saute them in butter till golden and float on top of each bowl of soup

WHY RE-TIE ANOTHER BALE?

THE TWINE WITH THE EXTRA HIGH KNOT STRENGTH

EXTRA HOLLAND BALER TWINE

- the ball with the wooden plug
- 9,000' and 10,000'

Made from No. 1 East African fiber — The finest available

GET 50 CENTS PER BALE DISCOUNT
for ordering now and payment by December 31.

P. L ROHRER & BRO., INC.
SMOKETOWN Phone Lanc. 397-3539

DeLaval's new Vacuum Pump 76 & 74

☐ More CFM per H P ☐ More CFM per operating dollar ☐ Cool-running, maintenance free, metered oil supply

No. 74 & 76 Pumps are made for Diesel engine operation.

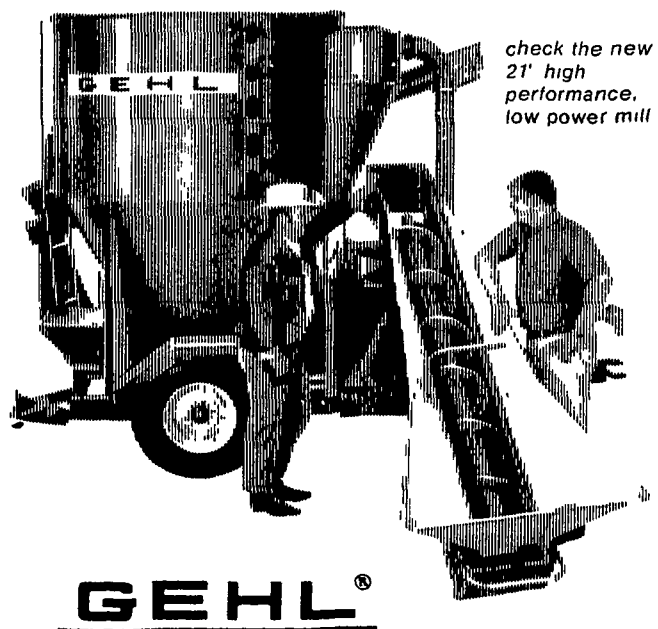
CALL US TODAY!

J. B. ZIMMERMAN & SONS
Blue Ball, Pa. Sales & Service Call 354-7481

two new mix-alls bigger than ever!

- new 95 or 120 bushel capacity mixing tank
- new 21" mill
- new mill to mixing tank auger
- new high tensile strength steel frame
- new mixing auger transmission runs in oil
- new self-contained hydraulic drive available

HIGH PERFORMANCE GEHL 21" BIG MILL



check the new 21' high performance, low power mill

GEHL®
Gets into your system

FARMERSVILLE EQUIPMENT INC.
R. D. 2, Ephrata, Pa.

CHAS J. McCOMSEY & SONS
Hickory Hill, Pa.

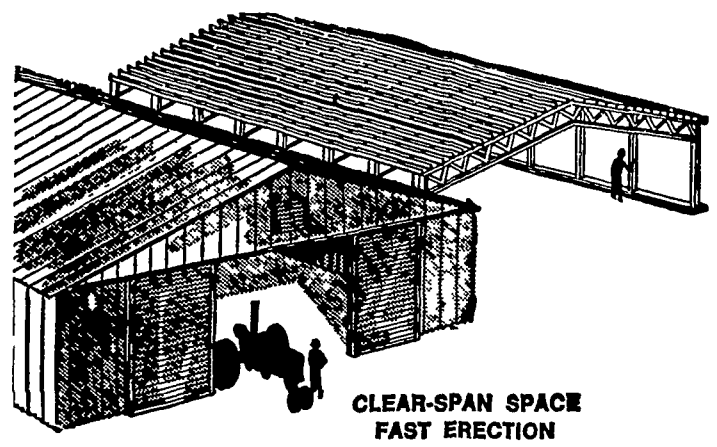
GRUMELLI FARM SERVICE
Quarryville

N. G. HERSHEY & SON
Manheim

ZOOK'S FARM STORE
Honey Brook, Pa.

NISSLEY FARM SERVICE
Washington Boro

New Behlen "Tubeline" building . . . all the advantages of steel at a POLE BARN PRICE



CLEAR-SPAN SPACE
FAST ERECTION
WON'T SAG OR TWIST

All the brute strength of curved steel is utilized throughout the exclusive framing system of Behlen's new "Tubeline" building. It's designed for strength, and for easy construction. Simple bolt-together connections speed erection. Clear-span design eliminates center-pole installation.

Available in widths from 20 ft. to 60 ft., in your choice of galvanized or color finishes. Many floor plans. Doors and windows can be placed nearly anywhere. Any or all sides can be left open. Erect it yourself . . . or we'll build it for you.

FREY BROS.

Fred Frey, Mgr.

R. D. #2, Quarryville, Penna. 17566 Ph. 717-786-2235

Endurance Ride Awards Noted

Top scorers with 90 to 100 points and receiving blue ribbons in the endurance ride sponsored by the Lanchester Pony Club recently at the Lanchester Pony Club Headquarters on the John Gibson Farm in Drumore were·

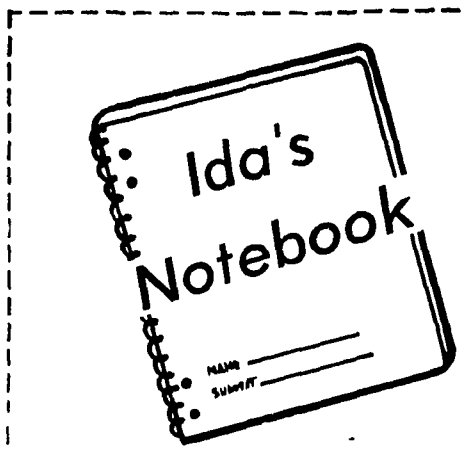
20 Mile—Mrs. Charlotte Sexton, Joan Warren, Evans Ankrum, Charles Long, Vicki Armstrong, Grayson Cooper, Amos Sheaffer, and Carol Hinkel

10 Mile—Mary Cappy, Kim Trego, Diane Reese, Rick Rankin, Sally Lane, Betty Lane, Nancy Hinkel, Glenn Loatman, Ginny Ahl, Liz Farmer, and Sue Pahls.

5 Mile—Joan Hamilton, Elaine Hearne, Majory Read, Katherine Read, Carol Stinson, Robert Keller, Kelly Conner, Linda Kolb, Lisa Kolb, Patti Welk, Bob Welk, Mark Rineer, Doug Gibson, Mrs John Holden, Milissa Kilby, Martha Weaver, Kathy Mueller, Terri Moore, and Jill Hassler.

Witmer Guernsey Cited

Penn Del Count Rosetta, a senior three year old registered Guernsey cow owned by Raymond F. and Louise A. Witmer, Willow Street, has completed an official DHIR actual production record of 12,430 pounds of milk and 636 pounds of butterfat in 305 days, two times a day milking, according to The American Guernsey Cattle Club



Ida Risser

Thanksgiving has come and gone and what remains are the memories

Thanksgiving was the joy of seeing our son again, as he's been away at college for months. Then there was the anguish of having the scales tell us we gained two pounds Guess we must take the bitter with the sweet

This year I've kept a small paper bank on my kitchen window sill and whenever I feel especially thankful, I drop in a coin. The money is given as a Thank-Offering at our church in November. Rather than quickly grabbing a bill or two out of my wallet at the last minute, this year's "heavy little box" represented true thankfulness to me

xxx

As an aftermath of my daughter's flower project in the 4-H community club, we have an abundance of herbs in our garden

We harvested several ounces of caraway seeds which are delicious in Judy's home-baked rye bread.

We don't begin to use all of the lemon verbena. The lemon-scented leaves make a pleasant tasting tea.

One year I grew so much marjoram that I was forced to dry the leaves in order to use all of them. We sprinkle them on fried chicken and pork roasts. Experimenting in cooking is a lot of fun.

xxx

This morning I missed a rabbit with the shotgun. Usually, I hunt with my .22 rifle.

So, my husband had to show me how to get game.

He just came in for the keys to our aluminum boat, as his cockbird had dropped in the middle of the Conestoga. With the Irish Setter racing madly on the bank, he managed to get it from a willow branch where it had snagged

We all appreciate the good eating which he provides through hunting.

Give Yourself in a Gift

Christmas giving can be fun—especially when you're giving yourself with a gift you created. Assistant Chester County Extension Home Economist, Mrs. Carol Rothermel, suggests you begin now to sew gifts of fashion.

Pattern books show many popular gift items for sewing, including ponchos. A colorful poncho would make many people on your Christmas list happy.

Stores are well supplied with fabrics usable for ponchos. Try a bright felt fabric trimmed with long knotted fringe decorated with beads of glass or wood.

Another choice might be heavy wool flannel, tweed, or double knit trimmed around the edge with bright wool felt flowers which you design and applique by hand or machine.

A long or short vest would be a great gift for a man, woman or child on your gift list. Make a long one of self-fringed suede cloth or vinyl patent. A floral print upholstery fabric makes up well in a long or short vest style.

Fashion accessories you've made are a boon to the gift giving dilemma. Fun fake furs made into turbans or beret shapes, accompanied by matching scarves, are delightful. Among the most attractive fabrics for a matching beret and scarf are multi-colored and soft and tweedy ones with thick and thin textures.

Another good fashion accessory is the maxi shoulder bag which can be made in numerous variations according to the fabric chosen.

For the men on your gift list, fashion a tie in his favorite colors.

Or for a gift that will please people of all ages, try your hand at making Christmas tree ornaments out of felt.

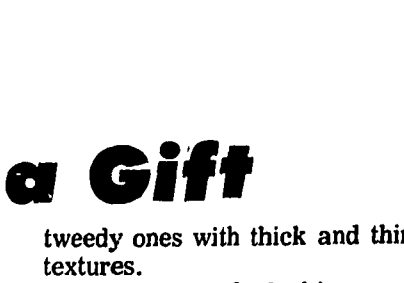
Give a little of yourself in the gifts you give this Christmas. Make them yourself.

Needle Arts
By NANCY SEWELL

Simple Elegance

You'll look quite chic in this lovely smocked beret. Pattern No. 5024 has full directions and diagrams for smocking and finishing hat.

TO ORDER, send 60 cents for each pattern with name, address with Zip Code, pattern number and size to NEEDLE ARTS, P.O. Box 5251, Chicago, Ill 60680.



"Anybody who throws his weight around is apt to be rocking the boat."

ORDER YOUR
CHRISTMAS GIFTS NOW

Candles
Noritake China
Franconia
Sunbeam Appliances
Oneida Stainless Cutlery
Carpenter Tools
Gift Glassware
Builders Hardward
Warm Morning Heaters
Monarch Ranges Black or White

HOME APPLIANCES
CARL & PARKE GROFF
149 E. Franklin St. New Holland, Pa.

A Good Consumer Helps Stop Fraud

Shopping by mail is easy Curling up in a nice, comfortable chair and selecting merchandise from a mail-order catalog may be relaxing as well as an efficient way to shop.

But Penn State Extension home management specialists advise you to find out the reputation of the mail-order company Order carefully from reputable firms or the leisurely buy-by-mail plan may turn into a complicated time-consuming mess

Unfortunately, failure to receive merchandise is one of the public's leading complaints. Americans are cheated of over 100 million dollars each year through mail fraud.

And again this year, many Americans will order merchandise after reading a newspaper or magazine advertisement or receiving a catalog. But they won't receive the product. Or sometimes the item they ordered may not live up to the advertiser's claims. When this happens — in your own interest and that of fellow shoppers — tell someone.

Try to solve the problem first with the seller.

If this doesn't produce favorable results, notify the Chamber of Commerce or Better Business Bureau where the firm is located. Send copies of the letter to the postal service inspector in your area, the State Department of Justice's Consumer Protection Agency, or the Federal Office of Consumer Protection. It's also wise to write the newspaper or magazine publisher if you learned of the product through the advertisement in their media. And tell your friends.

You may or may not get the product or your money returned, but you will help prevent further fraud. That, too is part of your responsibility as a consumer.

Pre-Shrink Washable Fabrics

It's a good idea to pre-shrink all washable fabrics — especially knits — before you cut them for sewing

National standards were arrived at by joint effort and consent of producers, retailers and consumers to serve as a guide for industry and the consumer

The allowable shrinkage for knits is five per cent. The shrinkage allowed for woven fabrics is two per cent. In fabric with a five per cent shrinkage, it means you would lose nearly two inches of every yard through shrinkage

So it's better to take the loss before you cut out a garment, rather than afterward.

Mrs. Carol Rothermel, assistant Chester County Extension home economist, says knits shrink because of their tendency to "relax" after the first washing. Here's why: The loop structure of knits is often stretched when the fabric is finished. When it's washed at home, the knit regains its original shape, and lengthwise shrinkage occurs.

Not every fabric will shrink, of course, since the five and two per cent standards are the maximums allowable.

But when you buy washable fabric, it's a good idea to keep shrinkage in mind. And then preshrink before you cut.

The old saying "better to be safe than sorry" applies to sewing as well as safety.

xxx

To keep up with present food consumption rates farmers must raise 25,400 additional head of dairy cattle for each one million persons added to our population.

THE FARMER'S NATIONAL BANK
of QUARRYVILLE
QUARRYVILLE, PENNA.

FOR THE BEST CHRISTMAS EVER
JOIN OUR 49'ERS CLUB TODAY.

YOU PAY 49 WEEKS OF ANY SIZE CHRISTMAS CLUB — — —
WE PAY THE 50th WEEK.

$1.00 per week --- $50.00
$2.00 per week --- $100.00
$3.00 per week --- $150.00
$5.00 per week --- $250.00
$10.00 per week --- $500.00

MEMBER FEDERAL DEPOSIT INSURANCE CORPORATION
A FULL SERVICE BANK

Parents Urged to Select Toys Wisely

Toys are very important to your child, for they are the key to his learning. A child grows and develops through play.

Mrs. Carol Rothermel, assistant Chester County Extension home economist, points out that toy buying is really a big opportunity to provide the child with lasting benefits, as well as immediate pleasure.

Any parent would benefit from a trip to a toy department to carefully examine what's being offered.

Unfortunately, says Mrs. Rothermel, many well meaning parents will spend large sums of money this Christmas on toys that are unsafe and have no lasting interest to the child. Toys should challenge, not frustrate, be safe, and have a variety of uses to which they can be put.

Ask yourself if a child can do something with the toy you're buying. Will the toy stimulate his activity? Clay, crayons, and finger paints will stimulate a child's imagination. The lasting popularity of dolls and blocks is also based on their creative possibilities.

Toys that wind up and perform by themselves are almost useless when the winding mechanism ceases to work.

Take time to think of safety when you select Christmas toys. Carefully inspect toys for rough or splintering edges, sharp points and other hazards. A child may not use the toy as the designer intends. So look for failsafe properties.

Find out if a toy will be sturdy. Some plastic toys are very brittle or fragile. A child can break off a part of the toy, exposing a sharp edge, and place the piece into his mouth or ear.

Try to steer away from toys with small removable parts that a child could swallow. Some dolls and stuffed animals have eyes, bows, and hair that can be pulled off revealing a sharp spike.

Miniature appliances and power tools aren't made to last or endure the hard use a child will give them. Adults know how careful they must be with real-life appliances and tools. Even these break or don't function properly. A child just isn't that careful and you shouldn't expect him to be.

Avoid toys that use exposed flame or are made of combustible materials. Chemistry sets, rocket kits and similar toys should be bought only for children old enough to handle them wisely.

Another group of toys is very complicated and operates on batteries. You have to use extreme care so that the toy doesn't get bent or the tiny wires distrubed. A child may very well end up being so careful with his toy that he won't enjoy it.

Many worthwhile and safe toys are available. And many of them will last for years. But you must take buying seriously and sift *through the toys on the market, Mrs. Rothermel advises.*

SUPER SHOES
Self Service
2750 Columbia Ave.
Lancaster
Lanc. Co.'s Largest Shoe Store
All 1st Quality
Super Low Prices

Garber Oil Co.
TEXACO
HEATING OIL
Burner Sales & Service
MOUNT JOY, PA.
Ph. 653-1821

FOR Peace of Mind

There is nothing quite like having cash in reserve!

Insured up to $20,000 by an agency of the U. S. Government, protected by skilled management with earnings much above the average, we invite you to enjoy the satisfaction that comes from saving your hard-earned cash where safety is the first consideration.

And remember, no one has ever had to wait for their money.

Now you can earn up to
5 3/4%
On our one year
SAVING CERTIFICATES *
INTEREST IS COMPOUNDED QUARTERLY
...SO SAVE WHERE SAVING PAYS!
*$10,000. Minimum

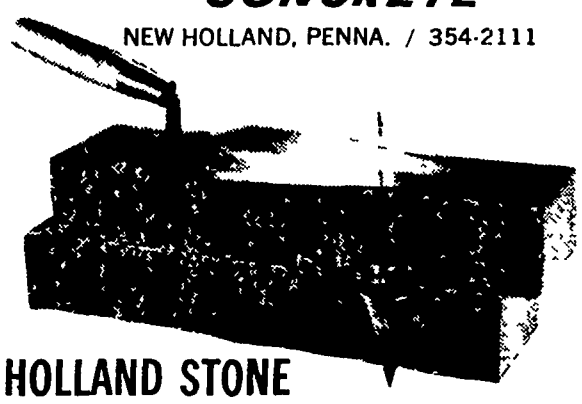
ACCOUNTS INSURED TO $20,000

FIRST FEDERAL Savings and Loan
ASSOCIATION OF LANCASTER
FEDERAL HOME LOAN BANK SYSTEM MEMBER
25 North Duke St.
Phone 393-0601
New Holland Branch
100 E. Main St.
Ph. 354-2131
FEDERAL SAVINGS AND LOAN INSURANCE CORPORATION SAFETY OF YOUR SAVINGS INSURED UP TO $20,000

Mon. thru Thurs. 9 to 4:30 | Fri. 9 to 6 | Sat. 9 to noon

MORE BEAUTIFUL THAN EVER BEFORE
MY-MY... It's Wonderful Pretty Christmas on the dark side of the
MOON
"It's Smart to be Thrifty"

REBMAN'S
Park Free Til 9 P.M.
800 S. Queen
Lancaster

NEW HOLLAND CONCRETE
NEW HOLLAND, PENNA. / 354-2111

HOLLAND STONE
a luxury you can afford
Holland Stone was created especially for the innovative builder It is unique in that it affords the builder an opportunity to design with the look of hand cut stone at the lower cost of split face building units Actually a man-made stone, Holland Stone is an exacting blend of stone aggregates that lend their natural colors for lasting beauty and permanence. Ten distinctive colors, plus a wide variety of shapes and sizes, offer a wealth of design potential for residential, commercial, institutional construction. Almost any exterior or interior decorating motif can be achieved . . from classic to colonial to contemporary

Ladies, Have You Heard?

By Doris Thomas, Extension Home Economist

Doris Thomas

How to Fight the TV Toy Sell

Each year at this time, children receive a not-so-subtle brainwashing from toymakers advertising on television Children are likely to be watching lavish advertisements that whet their pre-Christmas appetite for dolls, race sets and other expensive toys.

The advertisers know what they're doing They have studied children and know the best way to create desire in a youngster

For instance, you'll notice that a few toys are advertised repeatedly, making the child feel he just can't get along without them

If your child clamors for expensive toys he's seen on television, meet the problem head-on. Listen to what he wants. Then check on the toy yourself, either in a catalog or a store. Evaluate each toy according to its safety, cost and suitability for your child

If a toy doesn't meet any one of these requirements, then it's best to sit down with your child and explain why he shouldn't expect that particular item to be under the tree Christmas morning Although this may be difficult, it's better than allowing him to eagerly anticipate something he won't get.

You'll find it easy to steer some children towards a gift you already have on your list Offer an older child the alternative of saving his money to buy the toy. This tactic can help to teach him the value of money, too.

How to Make Sand Candles

Extension home management specialists at Penn State say that sand candles are easy to make and are appropriate Christmas gifts and decorations They offer these directions on making sand candles·

You'll need candle wax, candle coloring which can be old crayons, old candle ends, or special candle colors you'll find in hobby and craftshops, sand or fish tank gravel and wicks appropriate for the size candles you're making

For large sand candles you can use more than one wick by braiding several wicks together. Or you can place several individual wicks in the larger candles so you have several small lights burning at one time.

Wired wicks will stand up while you're pouring the candle wax.

Place sand or gravel in a bucket or box and dampen it well

Dig out or press a design of your choosing and pour the wax into the hole

A favorite bowl or similar object will make a mold when pushed into the sand

Remove the object and firm the sides of the sand with your hands and fix the wick in place

Cut wick at least one inch longer than depth of the candle.

Bury one end in the sand or tie a small weight to the end of th wick and tie the top of the wick to stick or pencil and lay across top of sand mold

Pour in melted wax—heated between 175 and 225 degrees in a double boiler and use caution to avoid harmful burns. Remember that the hotter the wax the more it will seep into the sand and create a thicker coating.

Allow to set until firm then dig out and remove any excess sand or dip outside of candle into hot wax to coat the sand and make it part of your decoration.

You can achieve extra effects by mixing 3 parts sand with one part melted wax and sculpturing this mixture around the molded candle.

199 Progressive Parties Are Held

Fulton Grange sponsored progressive parties to benefit the Southern Lancaster County Family Health Center have netted $3,047 08 to date with 199 parties being held

The following have held parties recently Mr and Mrs Charles Witmer, Mr and Mrs Walter Minnich Jr, Mr and Mrs Glenn H. Shenk and Mr and Mrs Hoover Roland

Those who have not held their parties are being asked to do so, as more financial aid is still needed for the center.

The Southern Lancaster County Family Health Center in Quarryville has been in service eight weeks and open house was held November 21, attended by about 500 area residents.

Farm Women Societies

Society 3

Farm Women Society 3 met Saturday, November 20 at the Twin Pine Social Center, Ephrata. Hostesses were Miss Marion Martin and Mrs. Lloyd Martin.

The business meeting was conducted by Mrs Robert Gregory, president. Miss Martin led devotions

A table of Christmas gift ideas and decorations will be on display at Lancaster County Homemakers Day at the Farm and Home Center December 7 under the leadership of Mrs. Harry Usner, Mrs. Earl Miller and Mrs Roy Weinhold

A contribution of $25 was given to the Tuberculosis and Health Society

Mrs Elizabeth Shaub from Ephrata showed slides from an African Safari of which she was a part in 1969.

Friday evening, November 19, the members entertained their husbands and other guests at dinner at the Bird-in-Hand Motor Lodge Mr and Mrs Gilbert Paul showed pictures of their recent trip to California

The next meeting will be a Christmas party for members and their children December 18 in the Social Room of Salem Lutheran Church, Ephrata. Mrs. Earl Miller will be the hostess.

Society 8

Farm Women Society 8 met at the home of Mrs. John Keener, Elizabethtown RD1, on Saturday, November 20. Thirty members and one visitor were present.

Miss Anna Mae Eby was in charge of the meeting and led the group in singing several Thanksgiving songs. Devotions were in charge of Mrs. Harold Ney.

The minutes were read by Miss Mary Grace Martin, secretary, Reports from the treasurer and the communications and sunshine committees were given.

Those members who went to the General Hospital to sew reported helping to sew approximately 400 pieces.

The group decided to contribute $10 to the Elizabethtown Kidney Machine Fund.

Several delegates were selected to go to the Harrisburg Farm Show in January.

The speaker for the afternoon was Mrs Isabella Endslow who gave a detailed report of the book entitled "The Child from the Sea" by Elizabeth Goudge

Hostesses serving refreshments appropriate for the Thanksgiving season were Mrs John Keener, Mrs Anna Risser, Mrs Anna Chapman, Miss Ada Kraybill and Mrs. Georgiana Forney

The next meeting will be held at 2 p m December 4 Rev Groff from the Elizabethtown area will be the speaker Hostesses will be Mrs Lester Wolgemuth, Mrs Elias Musser, Mrs Marie Stoner and Miss Mary Grace Martin.

Society 11

Farm Women Society 11 met Thursday at the home of Mrs William Ressler Mrs. Esther Musser, president, conducted the meeting Devotions were led by Mrs Mary Sinclair

Reports were given by the chairmen of the various standing committees Mrs Freida Huber, Mrs Clarence Ressel and Mrs. Loren Bucher gave reports on the County Farm Women convention held November 6

Plans were completed for the next meeting to be held December 30 at Chestnut Level A holiday dinner and gift exchange is planned

During the program portion of the meeting, Mrs Kenneth Eshleman reviewed, "The Woman At The Well" by Dale Evans Rogers

A social period followed the meeting Refreshments were served by Mrs Ressel, Mrs Sinclair, Mrs Clara DeLong and Mrs Anna Armstrong

Society 24

Farm Women Society 24 held a cosmetic demonstration during a meeting at the home of Mrs. Earl Hess, 4 Forrest Hill Rd., Leola.

During the business portion of the meeting, members voted approval of donations of $10 each to the Needlework Guild and to the Toy Shop.

Mrs. Hess and Mrs. Jacob Garber were named as delegates to the State Farm Women's Convention to be held January 10-11 at Harrisburg.

There will be no December meeting Members will meet at Eddy's Ceramics, New Holland, for their January 26 meeting.

Husbands of the members will be guests of the group for a hockey game on January 8.

Society 27

Farm Women Society 27 entertained their husbands at a banquet at Magic Chef Diner, Elizabethtown. The menu featured baked ham served family style.

Husbands answered roll call with a familiar Pennsylvania Dutch saying.

Mrs. N. J. Furhman of Lititz delighted the group with an original skit involving the husbands and wives present. Her Pennsylvania Dutch and fanciful stories combined to keep the audience laughing.

Special honor was given to one member and one husband whose birthdays were being celebrated.

Wayne Miller led group singing

Mrs Ray Sauder, president, reminded the ladies to bring homemade or workshop items for the Christmas Fair at the Farm and Home Center on December 7.

The next monthly meeting will be held December 14 at Rheems Fire Hall when Paul Hollinger will present an armchair travelogue of the Holy Land A mitten-sock tree will be filled for the Northern Tier Children's Home in Potter County.

Lining, Underlining Explained

Many fall and winter paterns suggest lining and underlining. But sometimes home sewers become confused about the difference between the two.

Extension clothing specialists at Pennsylvania State Universtiy offer this explanation of when to use linings and underlinings.

Lining is made as though it were a separate garment and then is sewn to the finished garment along the edges.

Underlining is cut and stitched to the wrong side of the fabric before any seams are sewn. Underlining is then treated as part of the fashion fabric, stitched into all the darts and seams.

Lining is done primarily to provide a finish to the inside of a garment, covering all raw seam edges. It is also useful when the fabric is rough or irritating to the skin.

Lining will help to preserve the shape of a garment, but underlining may be needed to make the shape in the first place.

Lining fabric is smooth to the touch and lightweight enough not to interfere with the hang of the garment. It should need the same care as the fashion fabric.

Farm Women Calendar

Saturday, November 27

1:30 p.m. — Farm Women Society 4, home of Mrs. Richard Wile, 129 E. Main St., Mountville.

6:30 p.m. — Farm Women Society 5, entertain husbands, Bird-in-Hand Motor Inn.

Thursday, December 2

7:30 p m. — Farm Women Society 20, home of Mrs. Glenn Ressel, Quarryville.

Saturday, December 4

6:30 p.m. — Farm Women Society 6 Christmas Party, Rheems Fire Hall.

Lapp Wins Drawing

Jonas L. Lapp, Paradise RD1, was winner of a Jake Ebersole Captain's Chair at the drawing recently of the W. L. Zimmerman and Sons Department Store, Intercourse. The drawing also included 25 turkeys and 25 cartons of ice cream.

xxx

An hour's work today buys 25 per cent more pork, 20 per cent more beef, 13 per cent more milk, 25 per cent more peas, and 40 per cent more eggs than it did in the late 1950's.

Plug it in and forget it . . .

This high-capacity Reddy Heater has an automatic safety shut-off control

MARK 100 DELUXE

Exclusive control gives you peace of mind Stops heater automatically if flame or ignition fail Makes it ideal for any application where heater must run unattended overnight. Runs up to14.5 hours on one tankful of low-cost kerosene. Hauls easily in a car Ask for demonstration

REDDY HEATER

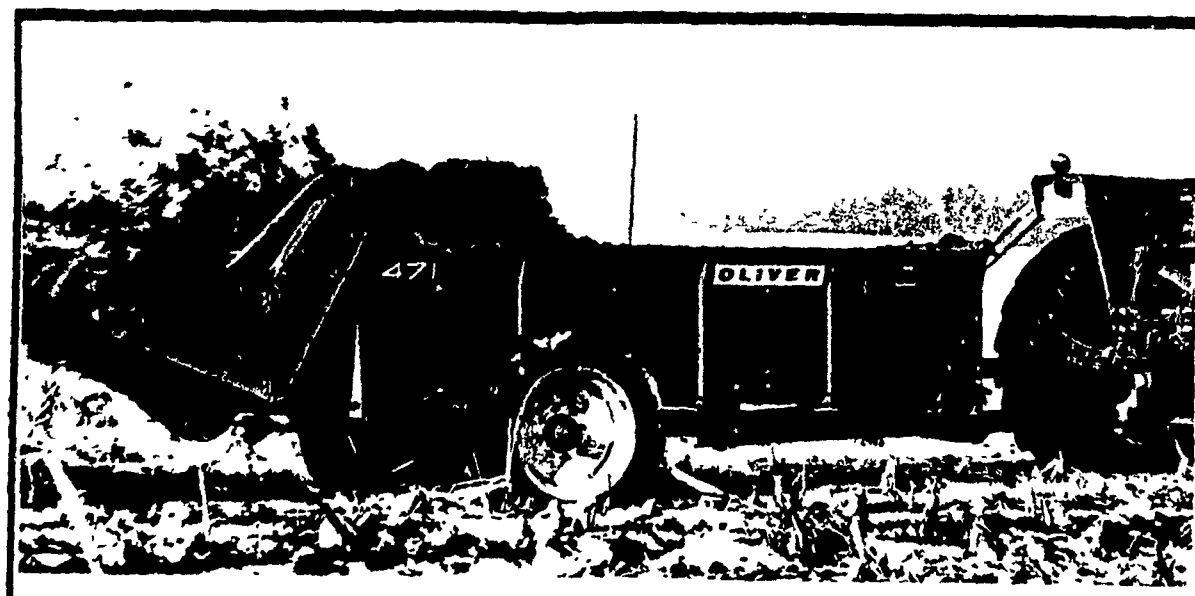
GEHMAN BROS.

SALES & SERVICE
1 Mile North of Terre Hill
on Route 897
East Earl, R D 1, Penna
Phone 215-445-6272

TRACTOR OWNERS!
We're Firestone equipped for IN-THE-FIELD service

For Better Prices on New and Used Tires and Expert Repair Service, Phone 653-1260. We repair any brand tire.

MUMMAU FIRESTONE
53 E. MAIN ST. MOUNT JOY, PA.



OLIVER 471 SPREADER

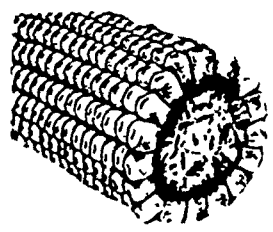
This 140-bushel, pto-drive 471 spreader is perfect for a livestock herd of average size. Smooth-running, factory-assembled mill mechanism controls coverage, spreads a wide, even blanket. Five unloading rates, independent conveyor and beater controls. Heavy U-tooth main and top cylinder. Heat-treated, easy-to-replace wide-spread paddles. Roller chain drives. Wide, low wood box with one-piece sides and bottom. Inverted arch design, stout "A" frame hitch. Choice of 20-inch or 24-inch wheels.

FARMERSVILLE EQUIPMENT INC.
RD2 Ephrata, Pa.

N. G. HERSHEY & SON
Manheim, Pa.

CHAS. J. McCOMSEY & SONS
Hickory Hill, Pa.

More farmers each month prefer to buy their



● EAR CORN
● HAY ● STRAW

from us for better value and all around satisfaction. At farm or delivered, any quantity as your requirements may be.

Area Code 717 687-7631

ESBENSHADE TURKEY FARM

"America's Oldest"

PARADISE, PA.

ARE HIGH SUPPLEMENT PRICES GETTING YOU DOWN

Switch to Mol-Mix liquid supplements. . .the money-saving way to insure maximum feed efficiency. Puts low-cost gains on your beef cattle and sheep, gets top production from your dairy herd.

Mol-Mix is a cane molasses-based supplement . . .a powerhouse of energy, protein, vitamins, and trace minerals. . .all in liquid form for quicker digestion and use. Mol-Mix is easier to handle, too. . .saves you trouble, time, and labor costs.

NOW FORTIFIED
with a new combination
of power-packed ingredients.

Distillers Solubles Phosphoric Acid
Condensed Fermented Corn Extractives
Ammonium Polyphosphate

Join the crowd. Join the trend. Join the growing number of satisfied Mol-Mix customers.
For more information see us today.

JOHN Z. MARTIN

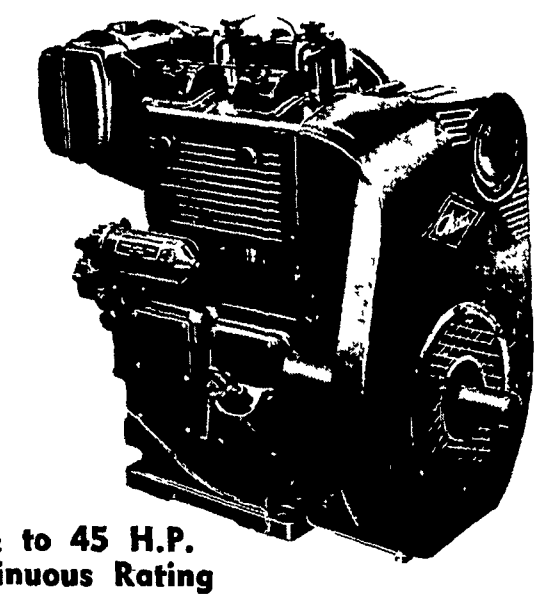
New Holland R#1 Phone 717-354-5848

Mol-Mix® liquid supplements the liquid leader

Petter

10% OFF

on all purchases or agreements made from now to December 31, 1971.



1½ to 45 H.P.
Continuous Rating

★ With Petters Exclusive Warranty Your Satisfaction is Guaranteed.

★ "Petter Power Pay" world leaders in diesel engine design.

Let us know of your service problems.

WE ARE SMALL ENOUGH TO KNOW YOU AND LARGE ENOUGH TO SERVE YOU.

GEHMAN BROS.

1 Mile North of Terre Hill on Route 897
East Earl, R.D. 1, Pa. Phone 215 445-6272

Public Sale

OF VALUABLE
MODERN FARM MACHINERY & TOOLS
SATURDAY, DECEMBER 11, 1971

at 10:30 A.M. Sharp

Located approx. 3 mile northeast of Stewartstown, York Co., Pa. near the Pleasant Valley Golf Course.

Int. Farmall Model 856 tractor fully equipped with only 529 hrs., Int Farmall No. 504 tractor fully equipped with 1250 hrs., Int No. 424 utility tractor with 940 hrs. and Model No. 2050 heavy duty manure loader, Int. No. 550 5 bottom moldboard plow, Fox self-propelled forage harvester with interchangeable heads, J. I. Case self-propelled hay bine & windrower, New Holland No. 275 PTO baler with No. 53A bale thrower, New Holland rollabar hay rake, New Holland No. 450 3 pt. hook 7 ft. mower, Int. No. 56 4 row corn planter with fiber glass corn & fertilizer hoppers, Int. No. 68 4 row cultivators, Ontario 13 disc grain drill on rubber, Bear Cat portable hammer mill, J. D. B. W. 36 disc transport disc harrow, J. D. No. 29B field sprayer with fiber glass tank, New Idea PTO No. 208 manure spreader, New Idea PTO bin type fertilizer spreader & seeder, New Idea grain & hay elevator with electric motor, Chatanooga 12 ft. soil conditioner, Grove self-inloading forage wagon with heavy duty Grove running gears, Grove hay wagon with 8 ft. racks, New Idea hay wagon with 8 ft. racks, Fox PTO hopper blower, McCurry grain box & wagon, J & M grain box & Case wagon, flat bed wagon, Little Giant drag elevator, Brady stalk shredder, tractor seeder, Fliteway air compressor, large bunk type creep feeder, drums of oil, lots of grease, grease guns, Black & Decker power tools, feed carts, galvanized watering troughs, wire & many items too numerous to mention.

Auct. Note: The most of this machinery is in like new condition and must be seen to be appreciated. Don't miss this sale if you're in the market for very fine machinery.

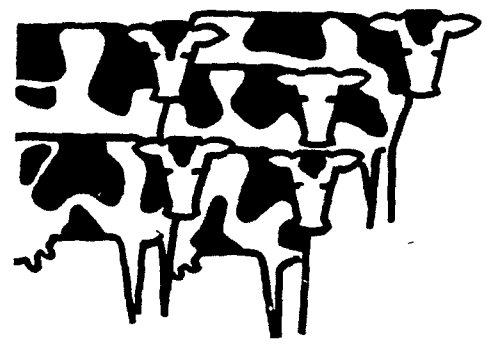
Terms: cash or approved check

LaAnd Development Corp.
Genesee Valley Farms
Parkton, Md. Owners

Robert L. Sechrist, auctioneer Ph. 382-4379
John Hope Anderson & Son, clerks

Not responsible for accidents
Refreshment rights reserved

You're invited



to a dairy production conference

conducted by wayne researchers

time 9:30 A.M.—3:00 P.M.
date Wednesday Dec 15th
place Guernsey Sales Pavilion

WAYNE FEEDS — WAYNE ANIMAL HEALTH AIDS

ASK YOUR WAYNE DEALER FOR TICKETS

ROHRER'S MILL
R. D. 1, Ronks

HEISEY FARM SERVICE
Lawn — Ph: 964-3444

H. JACOB HOOBER
Intercourse, Pa.

HAROLD H. GOOD
Terre Hill

GRUBB SUPPLY CO.
Elizabethtown

C. E. SAUDER & SONS
R. D. 1, East Earl

HERSHEY BROS.
Reinholds

WHITE OAK MILL
R. D. 4, Manheim

MOUNTVILLE FEED SERVICE
R. D. 2, Columbia

DUTCHMAN FEED MILLS, INC.
R. D. 1, Stevens

STEVENS FEED MILL, INC.
Stevens, Pa.

PARADISE SUPPLY
Paradise
Leola, Pa.

POWL'S FEED SERVICE
R. D. 2, Peach Bottom

H. M. STAUFFER & SONS, INC.
Witmer

Public Sale Register

SAT. NOV. 27- 1 P.M. Public Auction Jewell Chemical Property, Plant and Equip., Jewell Grain & Feed Corp's Trucks & Trailers at Lynch, Md 7 miles NW of Chestertown, Md. Terms by Ernest S Cookerly, Esq., H. Rudnick & Sons, Sales Managers and Auctioneers.

FRI. DEC. 3- 7 P.M. EST. Special Round-up Sale 1,000 head Charolais, Angus and Hereford calves and Yearling steers and heifers Sale by Leesburg Livestock Market, Leesburg, Va.

FRI DEC 3- 8 P M EST Sharp Public Auction of 80 Head Registered and Grade Holstein Dairy Cattle to be held in the dairy barn arena at the Aberdeen Sales Co in Churchville, Harford Co , Md located on Md Rt. 22 6 mi east of Bel Air, Md (via U S Rt 1) and 6 mi west of Aberdeen, Md (via I-95 or U S Rt 40) Sale managed by Aberdeen Sales Co

SAT. DEC. 4- 1 P M. Sharp Late - Fall Sale at The Carl Diller Barn, located along Rt No. 222, 7 miles South of Lancaster, 6 miles North of Quarryville, Lancaster Co , Pa. Sale by Carl Diller, Everett Kreider, Auct.

SAT DEC. 11- 10:30 A.M. Public Sale of Valuable Modern Farm Machinery and Tools located approx. 3 mile northeast of Stewartstown, York Co , Pa. near the Pleasant Valley Golf Course. Terms by LaAnd Development Corp., Genesee Valley Farms, Parkton, Md., owners, Robert L Sechrist, auctioneer.

Saddle Cinches 4-H Club Meets

The Saddle Cinches 4-H Horse and Pony Club held a Thanksgiving covered-dish social *November 19 at the Farm and Home Center Sixty-one persons attended*

The guests were the members and leaders of the Elizabethtown-Donegal 4-H Community Club Also present were Miss Joan D Lucas, assistant Extension home economist, and Jay W. Irwin, assistant Lancaster County ag agent

The evening started out with a friendly welcome by Mrs. Kenneth Borry, prayer by Eugene Wenger, covered-dish supper by Mrs. Eugene Wenger and Mrs Tyrus Keeney, introductions by Kenneth Borry, and the program by Glenn Eshelman

The program was a slide and music presentation by Mr. and Mrs. Eshleman. They presented, narrated and produced it. It was called "Almost in Paradise".

The club is having a Roller Skating party at 7 p.m. December 9 at the Mt Gretna Roller Rink. The price of admission is $1 per ticket For tickets contact Margaret Keeney, 367-3841, or Jackie Wendler, 665-5336. Limited tickets will also be sold at the door.

42 Third Graders Tour Dairy Farm

The Manor Young Farmers Association last Friday hosted 42 school children from the Fred Esheleman Elementary School third grade.

The youngsters were taken to Pine View Farm, New Danville, where they toured the jug milk operation of John and Larry Hess.

The program was sponsored in conjunction with Farm-City Week, according to Melvin L. Shertzer, Association reporter.

A highlight of the tour was when each youngster had a chance to pet a baby calf, Shertzer said.

FFA, Farmer Host Youths During Farm-City Week

Placing bales of straw on wagons in preparation for hayrides for the sixth grade students from the Ephrata Elementary, Akron Elementary and Fulton Street Elementary Schools Wednesday are: left to right, Gerald Musser, Dennis Palm, Bob Strauss, all members of the Cloister FFA Chapter of Ephrata. The event on the Glenn Wissler Farm near Clay was provided by the FFA to mark Farm-City week and inform the youth about agriculture and conservation.

Glenn Wissler shows some of the 250 steers on his farm near Clay. The animals were among attractions seen by area sixth graders Wednesday during a tour.

Titus Burkholder of Cloister FFA Chapter shows his Shetland sheep which was on display for elementary school students at the Glenn Wissler farm Wednesday. The farm house is in the background.

Help Us Serve You

Don't assume we know about your farm organization's meeting To get your meeting on our Farm Calendar, it's safer to assume we don't know.

Remind us by calling 394-3047 or 626-2191 or by writing to Lancaster Farming, 22 E. Main St., Lititz, Pa. 17543. You'll be helping us to serve you better.

P S. — If you're not sure you told us already, we don't mind hearing from you again.

ANOTHER SATISFIED CUSTOMER ON THE WAYNE FEEDING PROGRAM

Clarence M. Murry, Drumore RD1, Pa. with Wissler Run Silver Tulip.

Mr. Murry says:

"I was particularly pleased with the success I had with Wayne Feeds because:

In the Spring of 1971 I was contacted by the Pennsylvania Holstein Association in regards to heifers in my herd that might meet the qualifications of their Holland project.

The country of Holland had requested 40 Holstein heifers from the United States that would meet the following qualifications:

1. Calf must not be vaccinated for brucellosis.
2. Born - February 1, 1971 through June 30, 1971.
3. Sire must have a plus proof on 50 daughters of more.
4 Dams records completed must average on anME basis at least 15,600 pounds milk.
5 If dam is classified, she must be at least 100 BAA.

The calf Wissler Run Silver Tulip No. 7892993 met these qualifications through her dam Wissler Run Glen Lad Bubbles No. 5462014 V. G. 85, who to date has produced 132,479 pounds of milk and 4,454 pounds of fat and who was born August 29, 1961 and has had 8 lactations.

Her sire was Dee Ann Silver Tim No. 1435690 with 184 Plus Proven daughters.

I was happy that my heifer qualified and was chosen for the Holland project and would like to say that I also have a herd of 33 Registered Holstein cows and 35 heifers of all ages. My DHIA record for the year ending September 30, 1971 was 15,338 pounds milk with 3.8 per cent test and 587 pounds fat.

My entire dairy herd is on the Wayne Feeding Program and needless to say I am well pleased with the results."

I PURCHASED WAYNE FEEDS FROM

POWL'S FEED SERVICE

PEACH BOTTOM, PA. **PH: 548-2376**

TRY A CLASSIFIED AD!

PUBLIC AUCTION

80-HEAD REGISTERED & GRADE HOLSTEIN DAIRY CATTLE-80

Sale to be held in the dairy barn arena at the Aberdeen Sales Co. in Churchville, Harford Co., Md. located on Md. Rt. 22, 6 mi. east of Bel Air, Md. (via U.S. Rt. 1) and 6 mi. west of Aberdeen, Md. (via I-95 or U.S. Rt. 40) on

FRIDAY, DECEMBER 3, 1971

at 8:00 P.M. EST SHARP!

This sale features the entire herd of 60 Holstein cows from the farm of Mr. Frank Sterbak of Harford Co., Md. These cows have been on D.H.I.A. for the past 12 years and artificial breeding has always been used. These cows average 45 lbs. of milk per day. Thirty cows have been fresh within the past 90 days, 10 to 15 are close springers, the balace are milking and rebred. The herd shows quality; cows are well uddered and of nice size. All cattle are home raised.

SAMPLE OF RECORDS:

No.	Days	MILK	FAT
24	337	14,480	711
71	385	18,300	674
26	325	14,170	672
16	369	13,700	656
21	393	18,280	654
54	375	15,220	632

No.	Days	MILK	FAT
1	374	15,190	617
43	353	15,760	614
60	365	14,060	593
17	333	16,710	584
80	343	14,980	562
37	309	11,800	519

All animals are T.B. Accredited, Certified Bangs Free and tested within 30 days of sale for inter-state shipment.

If you are looking for additional cows or heifers to make base or to improve your herd, plan to attend this sale. This is one of the best offerings we have had this year.

Terms: Cash!!

PRIVATE SALES DAILY.

ABERDEEN SALES CO.
Sale Managers
Phone: 301-734-6050
Night: 301-734-7105
734-7978

Guernsey Breeders Give Awards

About 75 persons attended the annual banquet meeting of the Lancaster County Guernsey Breeders Association at the Harvest Drive Restaurant last Friday.

Three new directors elected were: Robert Breneman, Strasburg; Robert McSparran, Peach Bottom, and Elam Mull, Mechanics Grove.

The group heard a report from the owner of the Guernsey Restaurant at New Holland.

K. D. Linde, Oxford RD1, gave a slide presentation on "Germany As Seen in 1971."

Dennis Nolt, New Holland, who received the FFA Guernsey calf, gave a progress report.

Awards for high milk and butterfat production were awarded as follows:

High herd average, Penn-Del Farm, Raymond and Louise Witmer, Willow Street, 12,129 pounds of milk and 601 pounds of butterfat, for a 5.0 per cent test from 54 cows Second high herd average was Lindenholf Farm, K. D. Linde, 11,887 pounds of milk and 539 pounds of butterfat, a 4 5 per cent test on 45.4 cows.

High records for individual cows were reported as follows·

High two-year old milk production, Romella Farm, Strasburg RD1, 11,812 pounds of milk, with 493 pounds of butterfat and 4 2 per cent test.

High two-year old butterfat, Penn-Del Farm, 631 pounds of butterfat, with 11,532 pounds of milk and a 5.5 per cent test.

High three-year old milk, Romella Farm, 14,397 pounds of milk, with 540 pounds of butterfat and a 3.8 per cent test

Three-year old butterfat, White Plains Farm, Kirkwood, 669 pounds of butterfat, with 14,025 pounds of milk and 4.8 per cent test.

Four-year old milk and butterfat, Greenfield Farm, John N Landis, Lancaster, 15,512 pounds of milk and 678 pounds of butterfat, with a 4 4 per cent test.

High aged cow milk production, Lindenholf Farm, 17,378 pounds of milk, with 735 pounds of butterfat and a 4.2 per cent test.

Aged cow high butterfat average, Penn-Del Farm, 796 pounds of butterfat, with 15,045 pounds of milk and a 5.3 per cent average

LATE FALL SALE

SATURDAY, DEC. 4, 1971

1 O'CLOCK SHARP

Location: Along Route No. 222, 7 miles South of Lancaster, 6 miles North of Quarryville, Lanc. Co., Pa., at Carl Diller Barn.

35 HEAD REGISTERED HOLSTEINS

Young cows, 2 year olds, fresh and a good number springing.

EXTRA SPECIAL — Registered daughter of WHIRLHILL KINGPIN BORN NOV. 26, 1966. 3 YR. 11 MO. 340 DYS., 24,919M, 877F, 3.5 per cent. 2 YR. 8 MO. 365 DYS., 17,000M, 639F, 3.7 per cent. Although not classified, this cow has size, dairy, well attached udder. Her dam with 8 lactations averaged 20,278 milk. She is bred to Lucky Typeblazer due mid Dec.

Other record cows selling.

Canadians include daughters of Lassie Leader, Sandsdale Fond Supreme, Mayers Dark Leader, Seiling Triune Achilles, others by Penstate Starman, Glenafton R. A. Charmer, Dee Ann R. A. Maple, Rolling Knoll Dunloggin Master.

Service Sires include Hilltop Apollo Ivanhoe.

Catalogs available.

Everett Kreider, Auct.

SALE BY
CARL DILLER

Lunch Available

Fix-It Tip

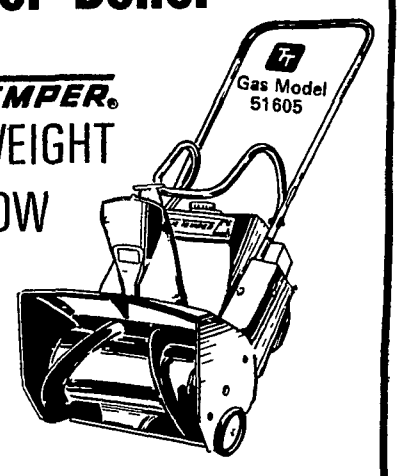
To keep your expensive tools from rusting in basement dampness or when storing them in the garage. wrap them in heavy aluminum foil. Lubricate them before wrapping. Lubrication will not dry out in the foil.

If a flat tire, empty gas tank or dead battery stalls you on a dark road at night, you can make a warning signal by stretching a long sheet of aluminum foil along the back and side of your car nearest the road Secure the foil by closing the car doors or windows on it The foil will reflect the headlights of oncoming cars and could be a lifesaver

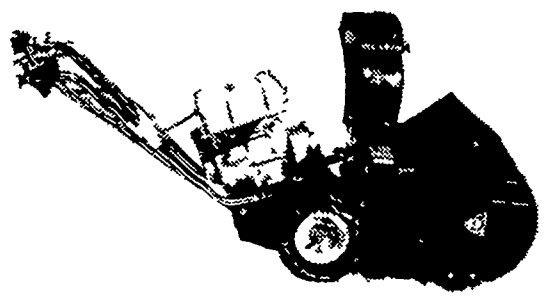
Convert It to Cash With a Classified

CALL Elmer Beiler

TRUE TEMPER
THE LIGHTWEIGHT POWER SNOW SHOVEL



COME SNOW-
GO ARIENS
SNO-THRO



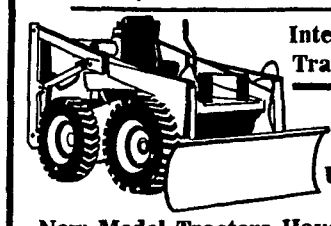
Premium Anti-FREEZE
Now $1.69 Gal.

SPECIAL STARTING FLUID
Large Can 5 oz. reg. $1.49 Our Price 1.15
Small Can 11oz. reg. $1.25 Our Price 98c

CALL Bob or Les

BUY NOW AT THIS YEAR'S PRICES WITH NEXT YEAR'S TERMS.

On New, Used & Rental Tractors & Equipment



International 3200A Loader Tractor Hydrostatic Drive

Used Massey 65 Diesel with Multi-power.

Used IH 200 Tractor with Cultivator and Loader.

New Model Tractors Have Arrived
Used 3 pt. Hitch 6 Ft. Scraper Blade
New 10 Ft. Wheel Controlled Disc Harrow. $985.
Used 656 Diesel Tractor
Used 856 Diesel Tractor
Used Single Row Corn Head For International 55 or 550 Forage Harvestor.
1 P.R. Picker
McCurdy Grain Bins
Selling At old Price While They Last
John Bean Sprayers

PARTS DEPARTMENT

CALL Dick Bomberger

CALL US! IT COULD BE WE HAVE IT.

TINGLEY BOOTS and RUBBERS
ALL SIZES AVAILABLE
KNEE HIGH BOOTS
MENS BOOTS RUBBERS

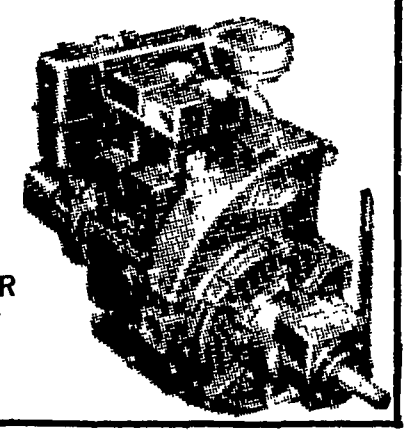
CALL Henry Esh

For Sales — Service — Parts

+ Used 7½ H.P. Slow Speed Lister Engine Like New Special Price
+ New 7½ H.P. Slow Speed
+ 353 G.M.C. Diesel Engine
+ New Quincy Air Compressors
+ New Listers with Lima Generators
+ 1-4½ H.P. Bamford Diesel Engine
+ Ask us about our new Automatic Control For Starter and Low Oil Protection.

We Have Some Very Good Buys On Used Diesel Engines.

AREA DISTRIBUTOR FOR LISTER DIESEL ENGINES



CALL Titus Burkholder

CP MILKEEPER
BULKMILK-COOLING TANKS
sizes from 500 to 1250 Gal. Check Our Prices

CALL Leroy Zook

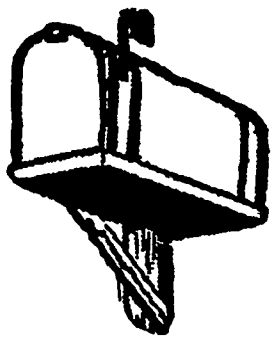
FOR DEMONSTRATOR
WEAVERLINE FEED CART
AND LANCASTER SILOS
RYDER BARN EQUIPMENT

RADIO CONTROLLED TRUCKS FOR BETTER SERVICE

C. B. HOOBER & SON

Intercourse, Penn. Phone 768-8231

Mail Box Market



For Sale - 100 heavy White Rock yearling hens. Also 1 driving horse. Elam S. Beiler, first farm right on South Ronks Road.

For Sale - Cat. D-2 Dozer Pony Motor Start, Angel Blade $700.00; 9N Ford, good tires, runs good with loader $600.; Hampshire Rams $45. Phone 286-9590

For Sale - Bred Sows. Phone 665-6577

For Sale - 3 bred sows. Phone 367-5298

For Sale - St. Bernard Pups, 6 weeks old Joseph S. Fisher, 261 B Ronks, along Rte. 30 at Soudersburg.

Duroc and Landrace Boars and Gilts, 8 wks old and up. Also feeder pigs, anytime. Harold Mummert, Seven Valleys RD1, Pa. Phone York 741-2170. Visitors welcome anytime.

For Sale - 1 Sputnik with pump, 3 DeLaval units, 2 extra pails, 2 stainless steel strainers. Phone 464-3189

For Sale - Reg. Holstein bull calves, 2 months old, 2 Sired by Bootmaker, Records on dam to 24,480 M, 830 F Phone 548-3116.

For Sale - Fire wood cirlce saw in good condition with 19" and 29" blades,, can be tractor mounted. John J. Beiler, Brethren Church Road, Leola, Pa. 17540

FREE. Subscribers to Lancaster Farming will receive one advertisement Free each month in our Mail Box Market. Subscribers using the Mail Box Market will be governed by the following rules:

Limit your advertisement to 25 words; All advertisements must be in our hands by Thursday noon or same will be held over for next week's paper; No business advertisements accepted.

Miscellaneous

WOOD SHAVINGS. Ideal for work-ways and bedding. $12 per ton. Can be delivered in bulk loads of 10-12 tons. Less expensive than straw or tanbark. Contact Bob Geist at Leola Supply Co. Inc. Ph. 717-656-6811.

For Sale — Dry wood shavings. Store now for winter use.
Len Lyn Farms
Stevens RD1
267-6726

For Sale - Used Mueller Hot-air furnace equipped to make hot running water, 30 gal. tank included. Priced to sell. Levi Kinsinger, Kirkwood No. 1, Pa. 17536, near Oakshade.

Wants To Buy

FARMING ORGANICALLY? The Organic Market, 601 West Lemon Street, Lancaster will buy any produce grown without chemical fertilizers or insecticides. Send information and prices or call 397-4641.

Mail Box Market

For Sale - 1 slightly used Keenco egg washer. Phone 665-3413

Wanted . Immediately - Registered Beagle stud, must be 13 inches or smaller. Phone 529-2212.

AEROBIC BACTERIAL
Seed-Stock

Helps control
ODORS-FLIES-DISEASES
Organically in
chicken houses, hog pens, barns and kennels.

Also
Helps keep cesspools and drain fields open.

JONATHAN S. ESH
Box 230
Christiana, Pa. 17509

SELL ★ YOUR BUTCHER HOGS DIRECT TO

ARMOUR CO.
READING, PA.
We will be glad to look at your hogs & bid you
CALL AL SHAFFER AT
(215) 376-2941
Evenings (215) 779-3847

SPECIAL ROUND-UP
SALE!
FRIDAY NIGHT, DEC. 3
7:00 P.M. EST
1,000 HEAD 1,000

Charolais, Angus and Hereford calves and yearling steers and heifers. No paint marks or hip tags on any of these cattle. All cattle weighed on sale day.
Beef breeds only - Sorted in uniform lots.
For further information, contact:
J. FRANCIS TINSMAN
LEESBURG LIVESTOCK MARKET
Leesburg, Va.
Phone (703) 777-1411 Phone (703) 777-3521
Plan now to attend this sale, as quality pays in many ways.

Miscellaneous

"WILD GAME COOKBOOK"
NO HUNTER FAMILY should be without this new, second edition of the Remington "Wild Game Cookbook." 174 pages of tested recipes plus these big extras . . . smoking game, dressing game, shipping game, sauces, stuffings, taste tips and sour-dough breads. For your copy send $2.95 to Cookbook, Dept. PS-ll, P. O. Box 731, Bridegeport, Connecticut 06601.

Livestock For Sale

Reg. Chester White and Duroc Boars with carcass cut outs. Reasonable Prices. For Information call Rodger Bankert, Hanover R. D. 3, Pa. Phone 637-2932, A. C. 717

Hampshire and Yorkshire Service Age Boars. Also open Gilts.Contact John Strawbridge, Stewartstown, Pa. 17363, Phone 301-996-2022

Livestock For Sale — Registered Yorkshire or Duroc Service Age boars. 6 bred Gilts (Yorkshire) due in December. Open Gilts in quantity. Will deliver.

Leon L. Arnold
1245 E. Cumberland St.
Lebanon, Pa. 17042
Ph. 717-273-5880

LANCASTER SILOS
Starline Labor Savers
Feed Lot Planning
Sales & Service by
J. SAMUEL SHERER
Mt. Joy R2
Phone 717-653-5207
or 717-653-5208

Livestock For Sale

Purebred Yorkshire boars, bred gilts and open gilts. Carcass Championship bloodlines. Willow Glen Farm, RD1, Strasburg, Pa. Ph: AC 717-786-2562

SPF origin Hybrids bred to meet demand of commercial producer. Excellent litter size and growth rate. Final cross is four-way cross which adds vigor and carcass quality. Jet Age Swine Breeders, Inc., Nicholas Kohut, Manager. 717-768-8378.

Help Wanted

Married man to run 140 acre cattle farm near Honey Brook, modern equipment, attractive 3 bedroom attendants house, many extras. Write George Lemmon, 1663 Lafayette Rd., Gladwyne, Pa. 19035.

Young Married Man for Dairy farm, start February 1. House, hospitalization, paid vacation, excellent wages. Quarryville Area. Write Box 266 P, c-o Lancaster Farming, Lititz, Penna.

Help Offered

Young married couple looking for job on steer farm. House included. Could start April 1st. Write Box 266 M, c-o Lancaster Farming, Lititz, Pa.

Late Authorization

Congress did not authorize the erection of a monument to the memory of President John Tyler until 1911. When the former president died in 1862, the government took no official notice of his demise.

CLASSIFIED ADS BRING RESULTS

Help Wanted

FERTILIZER SALESMAN

With Farm background to cover Southern Lancaster County with fertilizer, herbicides and seeds. Salary negotiable. Experience Preferred.

Write Box 266H
c-o Lancaster Farming Newspaper
Lititz, Penna. 17543

So. Race St, Myerstown, Pa. Ph. 717-866-2138

SPECIALS OF THE MONTH

SNOWMOBILES
ALLIS CHALMERS D 17
MM G706 4 WHEEL DRIVE WITH CAB
SCHRAM AIR COMPRESSORS
LOADERS
1964 CHEVY DUMP TRUCKS
CRAWLERS
MANURE SPREADERS
PORTABLE WELDERS
SNOW BLOWERS
1961 CADILLAC LIMOUSINE
SNOW PLOWS
TAG-ALONG TRAILERS
CASE 530 BACKHOE AND LOADER
ALLIS CHALMERS E 21 WITH CAB
NEW STARLINE SPREADERS
POTATOES
NEW IDEA 702 UNI SYSTEM
JOHN DEERE 400 BACKHOE AND LOADER
USED TRACTOR PARTS
FORD TRACTOR WITH FRONT END LOADER
ALLIS CHALMERS HD 6 CRAWLER LOADER
FORD FORK LIFT
FARMALL 806 WITH CAB
BACKHOES
136 ACRE STEER FARM
TIRE CHAINS

Large selection of used parts for late model tractors and equipment. If you are in need of any equipment not listed, please phone us, it is possible we may have it.

classified ads

Phone 394-3047 or 626-2191

Local Classified Advertising Rates

Use This Handy Chart To Figure Your Cost

Words	(1) Issue	(3) Issues
14 or Less	$1.00	$2.40
15	1.05	2.52
16	1.12	2.69
17	1.19	2.86
18	1.26	3.03
19	1.33	3.20
20	1.40	3.36

Call 394-3047 or 626-2191 to place your classified ad.

KEYED ADS (Ads with answer coming to a Box Number, % Lancaster Farming): 50c additional.

Ads running 3 or more consecutive times with no change billed at 20% discount with $1.00 minimum.

Deadline: Thursday of each week's publication.

Lancaster Farming
P. O. Box 266
Lititz, Pa.

Farm Equipment

Used John Deere 2020 Diesel w-48 Loader.
SHOTZBERGER'S EQUIP. CO.
Elm. Pa. Ph: 665-2141 or 626-2258

NOTICE!

Check our prices before buying your engine needs.

We have power units available ranging in size from 3 H.P. to 900 H.P. We have a few engines in stock at old prices. Act now before a 10% import tax goes in affect.

Petter Power Pays
"Let us Prove it"
John M. Allgyer, Prop.

Sunset Valley Electrical Service
½ mi. N.W. of
Bard's Crossing
Bird-In-Hand RD#1, Pa.
Call 397-4081
Morn. or Eve. and I will contact you.

Dairy Equipment

225 gallon Girton.
400 gallon Girton round vacuum tank.
300 gallon Girton Tank MCD-1-Approved with Compressor.
300 gallon ESCO Tank with Compressor.
CLARK ELECTRIC
RD1, Kinzers, Pa.
Ph: Intercourse 768-8228

Farm Equipment

Used Equipment
IH 30 GD Manure Spreader.
NH P.T.O. Manure Spreader.
Farmall 656 Gas Tractor.
Farmall 806 Dsl. Tractor
Farmall M Tractor w-2-r corn picker.
INTERNATIONAL HARVESTER
Sales & Service
1054 S. State St. Ephrata
Phone 733-2283

For Rent — Cement Finisher — $13.00 per day. Sander—$15.00 per day.
Howard Groff Co.
111 E. 8th St.
Quarryville, Pa. 17566

Two 19 Manure Spreaders
Owatonna 117 Mixer-Mill.
No. 7 New Idea Picker
ROY H. BUCH, INC.
Ephrata 859-2441

FARM SERVICE

For fast service on your New Holland, AC, or other farm equipment — call 626-7766

USED FARM EQUIPMENT:
Combine S. P. w-corn & grain Hd.
Elevators-20 to 24 Ft.
Generator-6½ kw w-60 Amp box
Mowers-6 & 10 HP riders
Spreaders-galvanized tank
JD & Case flatbed PTO
Tractors-AC WD, plow and Cult.
WD 45 w-slat btm. trip plow
D10 w-Cult. & Ind. loader

ROYA. BRUBAKER SALES ★ SERVICE
700 Woodcrest Ave.
RD#3 Lititz, Pa.

Farm Equipment

See us for your TWINE order for next year.
Sauder Loader for Ford tractor.
Left over 1200 bu. corn cribs.
Farmhand Grinder Mixer.
PTO and Engine Balers.
PTO and Traction Drive Spreaders.

L.H. Brubaker INC.
350 Strasburg Pike, Lancaster
Ph. Lanc. 397-5179

Corn Pickers, 1 & 2 row and self propelled; corn cribs, grain boxes, harvesters, elevators, forage wagons, blowers, choppers, grain Drills, grinder mixers, disc harrows, plows, wheel rakes, 3 pt. blades, PTO corn shellers, liquid manure spreaders and PTO spreaders, crawler tractors w-loaders and blades; wheel tractors with loaders, tractors with loaders and backhoes and trenchers.
CLYDE E. KEENER
Intersection of Rt. 72 and 283
1531 Manheim Pike
Lancaster
Phone 717-569-9861.

USED Equipment for Sale:
150 KW Diesel Engine Generator Set, 100 KW Diesel Engine Generator Set, 100 KW Gasoline Engine Generator Set, Used Tractor driven Alternators
ELECTROMEC
Ephrata, Penna. 17522
Dial 717-733-7911

Pickup Camper Caps.
44" Barn Fan for Corn or Hay
Farmall Super A tractor w-plow & cult.
Late Model Cub Tractor w-rotary mower and snow blade
305 Farmall Diesel Tractor
Snow blade to fit IH Loader
All size tractor chains
ELWOOD FLOWERS
Manheim RD2, Pa.
Phone 653-4839

"AC STANDBY GENERATORS. Tractor PTO or engine drive. Single or three phase reconnectable. Free brochure. Katolight, Box 939, Mankato, Minnesota 56001."

3 pt. hookup rear Blades
$95.00 and up
Snow Plows for most make tractors.
ALLEN H. MATZ, INC.
New Holland, Pa. 354-2214

Oliver Model 1255. Tractor w-15-14 Loader. Demonstrator.
FARMERSVILLE EQUIP. INC.
Ephrata RD2, Pa. 717-354-4271

Fickes Silos and Badger Feeding Equipment.
Speedy Corn Cribs.
GRUMELLI FARM SERVICE
Quarryville Ph. 786-3630

MANURE PITS

36 ft., 48 ft. & 60 ft. Diameter 12 ft. Dip circular precast concrete with Gunite coated interior.

Zimmerman Industries, Inc.
RD#1 Ephrata, Pa. 17522
733-6166

Farm Equipment

We are taking Baler Twine orders for Feb.
Delivery, Special Order Discount Price
$6.75 per Bale

Special prices on new New Idea 1-row and 2-row Corn Pickers.

Several Good Used Late Model New Idea Manure Spreaders.

New 18 4x38 rear Tractor Tires $395.00 per pair.

New Case 12 ft. Stalk Shredder $1250.

We have SMV Emblems In Stock

KINZER EQUIP CO.
Kinzers, Pa Ph 442-4186
Lanc Customers Ph 768-8916
We are now open til 9 P M. Tuesdays.

Tractors
Massey Ferguson Super 90 Dsl.
Farmall A w-Cults
Massey Ferguson 65 Diesel
Used Brady Stalk Choppers
Massey Ferguson 175 Diesel Tractor, (Used)
Gravity Boxes
New Farmhand Grinder-mixer
M. M. WEAVER & SONS
Massey-Ferguson
Sales & Service
Leola, Pa. 717-656-7702

NEW EQUIPMENT
Case - New Idea
Dunham Tillage Equipment
Farm-eze Belt Feeders
USED EQUIPMENT
IH, NH, NI, Ford Spreaders
Hawkbilt tank spreader
660 Case combine, grain & corn
NI 702D Uni, 100 hrs.
Case 480 loader-hoe 300 hrs.
2-430 Case tractors
RENTAL EQUIPMENT
Case Uni-Loader
Case backhoe-loader
A. L. HERR & BRO.
Quarryville 768-3521

Poultry & Supplies

TOTAL BIRD SERVICE

CATCHING HOUSING
DEBEAKING POXING

Our new system assures faster and better service at less cost.

For further information, call 898-2514 or write: Total Bird Service, 2516 Saddle Drive, Lancaster, Pa. 17601.

Farm Equipment

Used MC Rotary Scythe
Farmall 460 Tractor,
Used tank Spreaders
COPE & WEAVER CO.
New Providence 786-7351

PARTS BY THE THOUSANDS:

Dismantling Cat D2 thru D8, 933, 955,977, HD5 thru HD21 Int TD6 thru TD25; Oliver Cletrac, JD, Case, transmissions, final drives, winches Engines, power units. **Good used crawlers, loaders, backhoes.** New & used tracks, rollers, idlers, sprockets, **up to 30 per cent off on new bottoms.** "If Not Listed Ask For It" **Wanted:** Used equip. parts Ben Lombardo Equip Co., R D 6, Sink Sprg. MN, Rdg., Pa Ph 215-678-1941, 944-7171.

Robert K. Rohrer

Bulldozing - Grading
Patz Sales & Service

Barn Cleaners - Silo Unloaders - Cattle Feeders

Quarryville, R. D. 1
Hensel 548-2559

Poultry & Supplies

KimberChiks and Started Pullets

Warren Sex-Sal, Golden Sex Link, Broiler Chicks — Cobb and Wt. Mt.

Moyer's Chicks, Inc.
Quakertown, Pa
Ph. 215-536-3155

SHAVER STARCROSS

LAYERS

GREIDER LEGHORN FARMS, INC.
Phone 653-1855
MOUNT JOY R. 1, PA

AGRI-INC.

Zimmerman Feed Bins
Feed Meters
FANS (AIR-O-MATIC VENTILATION)

R.D. No. 2
Ephrata, Pa. 17522
(Farmersville)

Phone
Bus. 717-354-4275

Farmall 806 Diesel, wide front ..... $5,000.
65 HP GMC Diesel Unit, overhauled ..... $1200.
John Deere B w-cultivators ..... $250.
IH Corn Binder, PTO ..... $100.
Litter Carrier w-2 way switch approx. 150 ft. of track ..... $150.
40 HP Air Compressor ..... $400.

Financing Available

LANCASTER SILO COMPANY

2008 Horseshoe Road
Lancaster, Penna.

LONGENECKER'S HATCHERY

Box 317
Elizabethtown, Pa. 17022
Phone (717) 367-1545

KimberCHIKS
Day old and started pullets

- J. J. WARREN SEX-SAL
  DAY OLD AND STARTED PULLETS
  LEUKOSIS RESISTANT — GIVE THEM A TRY!
- WHITE MOUNTAIN CROSS BROILER CHICKS
  BROILER CHICKS WITH TOP PERFORMANCE

Northeast Pulp Industry Is Studied

The nation's pulp and paper industry is challenged to meet a projected demand for nearly 86 million tons of paper and paper board products by the year 1980, an increase of 45 per cent over 1970, according to a study at Pennsylvania State University.

Such increased demands will require construction of pulp and paper mills designed for large scale operations, in the opinion of Dr. M. C. Hallberg and Dr. R. A. Clemente, economists of the Agricultural Experiment Station. Previously, they say, the pulp and paper industry has been able to meet increased demands largely with existing facilities.

Their analysis indicates the Northeastern states have substantial resources for expanding pulp and paper production. Nearly 60 per cent of the Northeast is forested. In 1962 the area produced over 17 per cent of the total U.S. softwood pulpwood and nearly 14 per cent of the total U.S. hardwood pulpwood.

With such resources, the area already has mills producing the seven major types of woodpulp. In 1965, 22 per cent of all pulp mills in the country were located in the Northeast and produced 10 per cent of all U.S. woodpulp. In the same year, the Northeast produced 30 per cent of all woodpulp produced in the U.S. for making newsprint.

The study found the Northeast sharing substantially in the manufacture of products requiring further processing of pulp and paper, ranging from materials used in the construction trade to fine stationeries. In 1965, 40 per cent of all establishments whose chief product is derived from pulp and paper were located in the Northeast. These companies produced over 20 per cent of all paper and paperboard manufactured in the U.S.

By 1968 the Northeast was producing nearly 20 per cent of all paper and paperboard products made in this country. This included 85 per cent of all wet machine board, 61 per cent of all groundwood paper used in making newsprint, 58 per cent of all special industrial paper, and over one-third of all coated printing and converting paper, fine paper, and tissue paper.

Surprisingly, the area does not produce enough pulpwood to meet its own demands. As economists, Hallberg and Clemente claim it is feasible to import pulpwood from a nearby area such as the South Atlantic Region which has a large surplus of softwood pulpwood.

The Penn State study, entitled "The Pulp and Paper Industry in the Northeast," is available as Progress Report 313 from the Agricultural Mailing Room, 110 Service Building, University Park, Pa. 16802.

The twine used to bale hay in the United States and Canada last year would stretch to the Moon 72 times, according to New Holland farm machinery engineers.

Mushroom Output, Prices Up

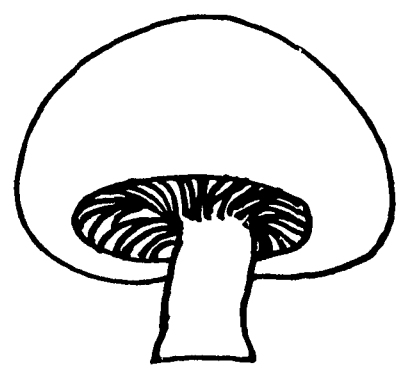
The 1970-71 mushroom season turned out to be the busiest in the industry's history. Total production for the marketing year that closed on June 30 was 207 million pounds, up from 194 million in 1969-70.

Pennsylvania produced over 60 per cent of the U.S. total.

Stepped-up production was matched by strong retail demand that pushed prices sharply above year-earlier levels. The crop brought growers nearly $90 million—compared with $73 million in 1969-70. At seasons' end, the average price per pound reached 43 cents.

The lively demand for fresh mushrooms is also mirrored by the large volume of air freight shipments from Philadelphia. During January-May, shipments of the fragile fungi totaled nearly 500,000 pounds, capping last year's tally for the same period by close to 70 per cent.

Mushroom for processing commanded a big market through season's end. Pennsylvania canners were paying record high prices—about 41 cents for bed-run pulled mushrooms with roots, and 45 cents per pound for the clean-cut product.



The 1971-72 marketing season will get under way in late October or early November. Canners are expected to bid actively to replenish drained supplies.

Anticipating a continued heavy demand, producers in Pennsylvania Kennett Square area have built additional growing houses and refurbished some old ones. The growers expect to fill 7 per cent more beds during 1971-72.

WE RE-EARN OUR LEADERSHIP EVERY YEAR

Each year the Producers of Funk's G-Hybrids set the standard for innovation and quality in the seed industry. New and better hybrids, developed by the world's most productive hybrid research team, provide you with seed which is high in yield and profit potential.

We earn our reputation in farmers' fields . . . the toughest proving ground of all. And, each year you and your neighbors show your confidence by planting more and more acres to Funk's G-Hybrids.

The Funk's-G symbol stands for unmatched quality and dependability.

Funk's G-Hybrids: Dependable Hybrids from Dependable People.

The outstanding performance potential of Funk's G-Hybrids for silage has been repeatedly proven by the Pennsylvania Agricultural Progress Days Silage Competition, where, for a consecutive number of years, they have consistently received the top honors.

A. H. HOFFMAN SEEDS, INC.

Landisville, Pennsylvania 17538

Funk's is a Brand Name Numbers Identify Varieties, Funk Bros Seed Co International Headquarters, Bloomington, Illinois 61701

The limitation of warranty and remedy on the tag attached to each bag of Funk's G Hybrid sold is a part of the terms of sale thereof

Chevron Notes New Seed Treater

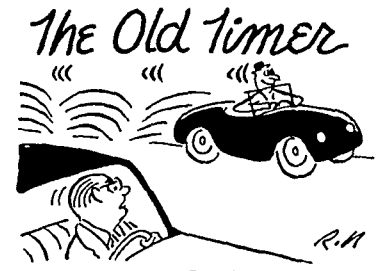
Protection against seed corn beetles and seed corn maggots, including pests that have built-up resistance to chlorinated hydrocarbon insecticides, is promised with new Isotox Seed Treater (D), a product of the Ortho Division of Chevron Chemical Company.

The new product is a specially formulation and companion seed protectant to Irotox Seed Treater (F) and is for application where corn seed required protection against resistant seed corn beetles.

Seed Treater (D) also provides added fungicide protection at planting time, and may be used on seed which has been treated with a full dosage of protective fungicide to give more help against seedling blight, damp-off and seed decay, the company announced.

The product is applied directly to seed in the planter box using a handy measuring cup supplied with each package. Isotox Seed Treater (D) is formulated to provide good coverage of the seed as well as extra dust which passes through the planter into the furrow to give added protection in the soil.

Ortho dealers are accepting orders for the new seed treater product with all orders to be finalized in December. For additional information on Isotox Seed Treater (D) write: Ortho Division, Chevron Chemical Company, 200 Bush Street, Room 300, San Francisco, Calif. 94104.



"A spasmodic driver gives other people fits."

Roaches
Fleas - Ticks
Rats or Mice

J. C. Ehrlich Co., Inc.
1278 Loop Rd., Lanc.
PHONE 397-3721